

For Official Use.

## MONTHLY RETURN

OF THE

# Births, Deaths, and Marriages

IN

## Sixteen of the Principal Towns of Scotland

JANUARY 1930.

*Published by Authority of the Registrar-General.*

## REPORT

During the month of January 1930 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 4331 living children, of whom 2177 were males, and 2154 were females. Compared with the number in the previous month, that of male children is 171 more, and of female children 284 more, the total number of children registered being 455 more.

The monthly birth-rate in these towns taken collectively was 21·0 per thousand. This rate is 2·2 more than that of the previous month, but is 0·1 less than the January average.

In the individual towns the monthly birth-rate averaged 20·2, and varied from 25·3 in Coatbridge, 25·1 in Hamilton, and 22·4 in Glasgow, to 12·5 in Perth, 16·4 in Dunfermline, and 17·9 in Kirkcaldy. In Greenock the monthly birth-rate was 22·3, in Clydebank 22·2, in Paisley 22·0, in Dundee 21·8, in Kilmarnock 19·6, in Ayr 19·5, in Motherwell and Wishaw 19·3, in Falkirk 19·2, in Edinburgh 18·8, and in Aberdeen 18·8.

Of the 4331 living children whose births were registered during the month, 4034, or 93·1 per cent., were legitimate, while 297, or 6·9 per cent., were illegitimate. The legitimate children of the month numbered 421 more than in the previous month, and the illegitimate children 34 more. The illegitimate rate of the month, 6·9 per cent., is 0·1 more than that of the previous month. In the individual towns the illegitimate rate varied from 10·2 per cent. in Aberdeen, 9·4 in Kilmarnock, and 8·1 in Dundee, to 3·8 in Dunfermline, 4·8 in Ayr, and 5·0 in Kirkcaldy. In Glasgow this rate was 6·5, and in Edinburgh 7·3.

Marriages registered in these towns during the month numbered 1891, and equalled a marriage-rate of 9·2 per thousand. This number is 284 fewer than in the previous month. The marriage-rate is 1·4 less than that of the previous month, and 0·7 less than the January average. In the individual towns the monthly marriage-rate averaged 8·5, and varied from 11·3 in Falkirk, 10·5 in Dundee, 9·9 in Glasgow, and

*NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the three preceding years.*

9·5 in Kilmarnock and in Perth, to 6·0 in Ayr, 6·5 in Greenock, and 6·9 in Clydebank. In Edinburgh this rate was 8·5 and in Aberdeen 9·2.

Deaths registered in these towns during the month numbered 3434, which is 276 more than in the previous month. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 3230, and to include those of 1653 males and 1577 females. The corrected number is 290 more than that of the previous month, deaths of males numbering 156 more and of females 134 more.

The monthly death-rate in these towns taken collectively and based on the corrected number of deaths was 15·7 per thousand, which rate is 1·4 more than that of the previous month, but 6·1 less than the January average for the preceding three years. In the individual towns the monthly death-rate averaged 14·5, and varied from 24·3 in Paisley (largely due to an accident in a Cinema Theatre), 20·0 in Coatbridge, 16·6 in Dundee, and 16·2 in Glasgow, to 7·8 in Dunfermline, 9·9 in Falkirk, 11·3 in Ayr, and 11·5 in Clydebank. In Kirkcaldy the monthly death-rate was 15·8, in Greenock 15·4, in Edinburgh 15·3, in Hamilton 15·0, in Aberdeen 14·2, in Kilmarnock 13·2, in Perth 13·2, and in Motherwell and Wishaw 12·8.

Deaths of children of under one year of age numbered 510, and equalled an infantile mortality rate of 123 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. This mortality rate is 30 more than that of the previous month, but 22 less than the January average. In the individual towns the infantile mortality rate of the month averaged 108, and ranged from 277 in Coatbridge, 161 in Dundee, and 145 in Hamilton, to 34 in Clydebank, 51 in Ayr, and 61 in Dunfermline. In Glasgow the infantile mortality rate of the month was 131, in Paisley 131, in Motherwell and Wishaw 115, in Aberdeen 114, in Edinburgh 106, in Greenock 98, in Falkirk 89, in Kirkcaldy 85, and in Kilmarnock and in Perth 65.

Deaths from the principal epidemic diseases numbered 172, and equalled a death-rate of 0·8 per thousand. These deaths collectively numbered 34 more than in the previous month, but 43 less than the January average. These deaths included 79 from measles, 11 from scarlet fever, 23 from whooping-cough, 36 from diphtheria, and 23 from the diarrhoeas of childhood. No deaths from enteric fever were recorded in these towns during the month. In the previous month they numbered 3. Compared with the returns of the previous month, deaths from scarlet fever are 2 fewer and from the diarrhoeas of childhood 2 fewer, but those from diphtheria are 5 more, from whooping-cough 8 more, and from measles 28 more.

Deaths from influenza in all numbered 26. In October these deaths numbered 22, in November 35, and in December 25.

Deaths from respiratory diseases other than phthisis, but exclusive of those associated with influenza, in all numbered 653, and equalled a death-rate of 3·2 per thousand. These deaths numbered 88 more than in the previous month. This death-rate is 0·5 more than that of the previous month, but is 3·2 less than the January average.

Deaths from all forms of tuberculous disease numbered 215, of which 154 were attributed to tuberculosis of the respiratory system. The former number is 18 and the latter 11 more than in the previous month, but the former is 38 and the latter 36 less than the January average.

# METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

## JANUARY 1930.

Mean barometric pressure, 29·479 in.; less than the average of 1881-1915 by 0·389 in.

Mean temperature, 39°·4; greater by 1°·4.

Mean daily range of temperature, 8°·8; normal.

Rain, depth in inches, 4·47; greater by 1·26 in.

Wind, direction of: a 5 days' excess of south-westerly winds.

The unsettled weather which prevailed throughout December 1929 persisted throughout the month, depressions and their associated secondaries continuing to move eastwards or north-eastwards along or near our western and northern seaboard. The mean barometric pressure was much below normal, the mean given above being the lowest for January since 1873. At Edinburgh the extremes of pressure at mean sea level were 30·25 in. on 16th and 28·62 in. on 10th.

With the predominating winds being southerly to south-westerly the mean temperature was above the average; morning ground frosts were, however, frequent, the 19th being the only day reported without ground frost from any station. The coldest morning was that of the 28th, when the gross minimum dropped to 7° F. at Logie Coldstone, to 8° F. at Balmoral and 12° F. at West Linton, while on the same morning the screen minimum was 11° F. at Logie Coldstone and 13° F. at Balmoral, West Linton and Braemar. At Gordon Castle the maximum rose to 57° F. on the 7th.

Along the east coast rainfall totals were generally below the normal but elsewhere the normal was exceeded. At Achtnacarry there were 9 days with more than 1 inch of rain, and at Glenquoich, Achara, Ardgour and Glencoe, 8. Amongst the largest daily falls were 2·55 in. at Ardkinglas on 10th, 2·02 in. and 2·50 in. at Glenquoich on 1st and 6th respectively, 2·32 in. at New Cumnock on 7th, 2·30 in. at Achtnacarry and 2·27 in. at Ardgour on 6th, 2·12 in. at Ben Alder on 11th and 2·05 in. at Glen Etive on the 1st.

Gales were of frequent occurrence, particularly between the 1st and 12th and from 16th to 22nd. Gales were not reported between the 13th and 15th, on the 23rd, nor between the 25th and 30th. At Kirkwall a gust of 75 m.p.h. was recorded on the 3rd.

Thunderstorms occurred locally on the 3rd, 4th, 8th, 9th, 10th, 11th, 13th and 15th; that of 11th occurred over central and south-western districts during a snow-storm. There was some local fog, particularly in the Clyde area, between the 14th and 16th, and again from the 21st to the end of the month.

Snow, sleet or hail fell at some place or another on all days except the 17th and 18th; the most widespread falls of snow were reported between the 8th and 13th and between the 26th and 31st. On the 11th snow lay to the depth of 3 ins. at Crieff and Monksfoot, 4 ins. at Strathpeffer and Bendamph, 6 ins. at Fort Augustus and 8 ins. at Glenbranter; on the 12th over 4 ins. lay at Glenorchy, and on the 27th 3 ins. at Milnathort and 4 ins. at West Linton.

Aurora was reported from nothern districts on 3rd, 4th, 5th, 6th, 7th and 20th.

Although the month was of an unsettled character generally it was very sunny, the sunshine totals being well above the average for the month.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 8.

*Abstract.*

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, JANUARY 1930.

TOWNS.	POPULATION.		BIRTHS.						DEATHS.					
	Census 1921.	Estimated to middle of 1930.	Males.	Females.	Total.	Legiti- mate,	Illegiti- mate.	MARRIAGES.	REGISTERED		Total.	Out.	In.	Total Corrected.
									Males.	Females.				
GLASGOW, .	1,051,518	1,076,100	1024	1020	2044	1912	132	905	846	749	1595	144	31	1482
EDINBURGH, .	420,264	427,500	338	344	682	632	50	310	295	329	624	83	16	557
DUNDEE, .	168,315	167,000	141	168	309	284	25	149	115	127	242	15	8	235
ABERDEEN, .	158,963	158,800	142	112	254	228	26	124	105	100	205	37	24	192
PAISLEY, .	84,837	87,900	95	69	164	154	10	59	101	86	187	10	4	181
GREENOCK, .	81,133	81,900	75	80	155	146	9	45	51	61	112	9	4	107
MOTHERWELL AND WISHAW, .	68,869	70,900	51	65	116	107	9	46	34	33	67	2	12	77
CLYDEBANK, .	46,601	49,300	46	47	93	87	6	29	12	21	33	1	16	48
COATBRIDGE, .	43,919	44,700	48	48	96	90	6	30	36	34	70	5	11	76
DUNFERMLINE, .	39,899	37,900	24	29	53	51	2	26	19	14	33	12	4	25
KIRKCALDY, .	39,591	39,400	27	33	60	57	3	27	25	29	54	7	6	53
HAMILTON, .	39,504	40,800	45	42	87	82	5	31	28	19	47	1	6	52
KILMARNOCK, .	35,969	38,400	41	23	64	58	6	31	22	22	44	4	3	43
AYR, .	35,763	37,500	35	27	62	59	3	19	27	16	48	8	1	36
FALKIRK, .	34,419	35,600	25	33	58	55	3	34	20	13	33	4	1	30
PERTH, .	33,208	32,100	20	14	34	32	2	26	21	24	45	11	2	36
TOTAL . . . (SIXTEEN TOWNS)	2,382,772	2,425,800	2177	2154	4331	4034	297	1891	1757	1677	3434	353	149	3230

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, JANUARY 1930.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.			
				All Causes.		Regis- tered.	Corr. for Trans- fers.	Principal Epidemic Diseases.	All Tuber- culosis.	Tuber. of Respiratory System.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				All	Causes.								
GLASGOW, .	22·4	6·5	9·9	17·5	16·2	1·3		1·1	0·8	3·7	254		131
EDINBURGH, .	18·8	7·3	8·5	17·2	15·3	0·4		0·9	0·6	2·8	66		106
DUNDEE, .	21·8	8·1	10·5	17·1	16·6	0·3		1·1	0·8	4·3	48		161
ABERDEEN, .	18·8	10·2	9·2	15·2	14·2	0·4		1·1	0·7	1·8	30		114
PAISLEY, .	22·0	6·1	7·9	25·1	24·3	0·8		0·8	0·3	3·1	20		131
GREENOCK, .	22·3	5·8	6·5	16·1	15·4	0·0		1·4	1·0	2·3	15		98
MOTHERWELL AND WISHAW, .	19·3	7·8	7·6	11·1	12·8	0·5		0·7	0·7	2·8	14		115
CLYDEBANK, .	22·2	6·5	6·9	7·9	11·5	0·0		1·7	1·2	1·0	3		34
COATBRIDGE, .	25·3	6·3	7·9	18·4	20·0	1·8		2·1	0·8	4·7	26		277
DUNFERMLINE	16·4	3·8	8·1	10·2	7·8	0·0		1·2	0·9	0·9	3		61
KIRKCALDY, .	17·9	5·0	8·1	16·1	15·8	1·5		0·9	0·6	2·4	5		85
HAMILTON, .	25·1	5·7	8·9	13·5	15·0	0·9		0·9	0·9	3·7	11		145
KILMARNOCK, .	19·6	9·4	9·5	13·5	13·2	0·0		1·2	0·6	1·8	4		65
AYR, .	19·5	4·8	6·0	13·5	11·3	0·6		0·0	0·0	1·9	3		51
FALKIRK, .	19·2	5·2	11·3	10·9	9·9	0·0		0·7	0·3	2·0	5		89
PERTH, .	12·5	5·9	9·5	16·5	13·2	1·1		0·4	0·4	1·5	3		65
TOTAL . . . (SIXTEEN TOWNS)	21·0	6·9	9·2	16·7	15·7	0·8		1·0	0·7	3·2	510		123

\* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR JANUARY 1930, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								*Infantile Mortality Rate.	Mean Temperature. Seven Towns only.
					(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)		
(1)	(2)	(3)	(4)	(5)										
JAN. 1930.	21·0	6·9	9·2	15·7	0	0	79	11	23	36	23	123	39°·4	
JAN. 1929.	21·0	6·7	9·2	30·7	0	0	1	7	81	83	41	176	35°·1	
JAN. 1928.	21·3	6·3	10·7	19·0	1	0	192	11	58	57	43	142	40°·2	
JAN. 1927.	20·9	6·1	9·7	15·7	0	0	10	8	32	31	38	117	39°·5	
JAN. 1926.	22·1	6·3	10·6	15·1	1	0	73	15	28	29	23	96	40°·0	
JAN. 1925.	21·8	6·3	10·2	16·6	3	0	72	17	163	45	29	128	40° 9	
JAN. 1924.	23·9	6·7	9·6	17·6	2	0	217	17	91	31	35	130	39° 2	
JAN. 1923.	25·9	6·5	11·7	16·2	2	0	84	25	67	33	31	109	42°·6	
JAN. 1922.	28·6	7·0	11·2	33·6	3	0	296	21	123	39	48	206	37°·0	
JAN. 1921.	26·1	7·0	15·9	16·9	1	7	18	18	60	34	66	113	41°·8	
JAN. 1920.	34·1	6·9	16·6	16·9	4	0	65	8	20	39	37	128	38°·7	

Figures in columns 5-13 have been corrected for non-resident deaths.

\* Per 1000 of the average number of births registered monthly during the past 12 months.

### AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—January 1930.

CAUSES OF DEATH.	Total.	Males.	Females.	Age.											
				-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over.
Enteric Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhus Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles	-	-	-	79	41	38	28	47	3	1	-	-	-	-	-
Scarlet Fever	-	-	-	11	4	7	1	8	2	-	-	-	-	-	-
Whooping-cough	-	-	-	23	10	13	10	13	-	-	-	-	-	-	-
Diphtheria	-	-	-	36	14	22	3	21	9	-	2	1	-	-	-
Influenza	-	-	-	26	15	11	3	-	1	2	-	1	1	4	5
Encephalitis Lethargica	-	-	-	6	4	2	-	1	-	-	1	1	-	3	-
Cerebro-spinal Meningitis	-	-	-	12	9	3	7	2	-	2	-	1	-	-	-
Other Epidemic Diseases	-	-	-	18	10	8	3	1	-	-	2	2	2	5	2
Tuberculosis of Respiratory System	-	-	154	88	66	1	1	2	4	30	30	32	35	12	7
Tuberculous Meningitis	-	-	30	13	17	6	16	6	-	-	1	1	-	-	-
Tuberculosis of Intestines and Peritoneum	-	-	11	4	7	1	3	1	-	-	3	1	-	2	-
Other Tuberculous Disease	-	-	20	8	12	-	1	3	-	2	5	4	1	3	-
Malignant Tumours	-	-	263	124	139	-	-	-	-	7	14	41	65	97	35
Rheumatic Fever	-	-	6	2	4	-	-	2	-	1	-	1	1	1	-
Meningitis (not Cer.-spin. or Tuberc.)	-	-	19	10	9	7	4	-	2	2	-	1	1	1	1
Apoplexy	-	-	291	133	158	-	-	-	2	2	2	9	30	54	101
Heart Disease	-	-	435	212	223	1	2	-	1	7	11	16	50	95	127
Diseases of Arteries	-	-	43	22	21	-	-	-	-	2	2	1	7	13	15
Bronchitis	-	-	227	124	103	33	4	-	2	3	-	7	14	37	70
Pneumonia (all forms)	-	-	393	217	176	118	70	4	2	8	21	29	26	42	41
Other Diseases of Respiratory System	-	-	33	16	17	4	1	3	-	-	3	8	8	2	3
Diarrhoea and Enteritis (under 2 years)	-	-	23	12	11	22	1	-	-	-	-	-	-	-	1
Appendicitis	-	-	23	12	11	-	-	2	3	4	6	4	1	2	1
All Diseases of Liver (not Malignant)	-	-	14	3	11	-	-	2	3	1	-	2	1	5	3
Nephritis, Acute and Chronic	-	-	89	46	43	1	1	1	-	1	6	11	15	22	21
Puerperal Sepsis	-	-	14	-	14	-	-	-	-	1	10	3	-	-	2
Other Dis. & Accidents of Preg. & Part.	-	-	26	-	26	-	-	-	-	5	13	7	1	-	-
Diseases of Early Infancy and Malform.	-	-	218	114	104	216	2	-	-	-	-	-	-	-	-
Suicide	-	-	26	14	12	-	-	-	3	3	3	10	5	2	-
Other Violent Deaths	-	-	179	121	58	6	14	52	24	5	9	5	21	14	16
Other Defined Diseases	-	-	435	220	215	35	13	14	5	15	15	34	35	65	73
Causes Ill-defined or Unknown	-	-	47	31	16	4	-	1	-	1	-	3	6	11	15
	3230	1653	1577	510	226	106	48	93	144	199	304	462	599	432	107

## DEATHS IN EACH TOWN (corrected for Transfers)—January 1930.

CAUSES OF DEATH.		Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
Enteric Fever	...	...	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...	...
Measles	...	79	65	...	1	...	...	...	...	...
Scarlet Fever	...	11	9	...	...	1	...	...	...	...
Whooping-cough	...	23	15	1	2	2	2	...	1	...
Diphtheria	...	36	17	9	1	1	2	...	2	...
Influenza	...	26	14	2	2	...	1	1	...	1
Encephalitis Lethargica	...	6	...	1	1	...	...	2	...	...
Cerebro-spinal Meningitis	...	12	6	2	2	1	1	...	...	...
Other Epidemic Diseases	...	18	10	6	...	...	...	...	1	...
Tuberculosis of Respiratory System	...	154	76	23	12	10	2	7	4	5
Tuberculous Meningitis	...	30	11	5	...	3	3	2	...	1
Tuber. of Intestines and Peritoneum	...	11	5	3	1	...	...	...	...	...
Other Tuberculous Disease	...	20	7	3	2	2	1	1	...	1
Malignant Tumours	...	263	118	50	18	16	8	11	5	4
Rheumatic Fever	...	6	2	...	...	...	...	1	...	...
Meningitis (not Cerebro-spinal or Tuber.)	...	19	8	3	1	1	2	...	2	...
Apoplexy	...	291	124	55	23	22	8	14	8	9
Heart Disease	...	435	171	107	36	38	24	9	6	3
Diseases of Arteries	...	43	11	7	7	8	...	1	1	1
Bronchitis	...	227	115	41	23	5	8	6	6	1
Pneumonia (all forms)	...	393	210	56	37	17	14	8	11	3
Other Diseases of Respiratory System	...	33	17	5	1	2	1	2	...	...
Diarrhoea and Enteritis (under 2 years)	...	23	12	5	...	2	2	...	...	...
Appendicitis	...	23	16	2	...	1	1	...	1	1
All Diseases of Liver (not Malignant)	...	14	8	3	1	...	...	...	...	1
Nephritis, Acute and Chronic	...	89	39	18	5	6	4	5	3	2
Puerperal Sepsis	...	14	7	2	1	1	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	26	13	4	2	1	...	1	3	1
Dis. of Early Infancy and Malformations	...	218	91	28	23	13	14	11	5	4
Suicide	...	26	13	5	1	3	1	...	...	...
Other Violent Deaths	...	179	57	19	2	4	70	1	4	5
Other Defined Diseases	...	435	185	90	29	32	11	24	12	5
Causes Ill-defined or Unknown	...	47	30	2	1	...	1	...	2	...
All Causes	...	3230	1482	557	235	192	181	107	77	48
AGE AT DEATH.										
Under 1	...	510	254	66	48	30	20	15	14	3
1-4	...	226	136	22	9	7	17	4	5	3
5-9	...	106	31	9	4	5	46	...	...	1
10-14	...	48	17	2	...	3	20	2	...	1
15-24	...	93	46	11	9	5	4	2	...	4
25-34	...	144	67	27	11	12	2	4	3	3
35-44	...	199	106	26	11	7	4	11	7	3
45-54	...	304	138	61	17	18	11	10	8	7
55-64	...	462	231	80	35	29	16	12	5	8
65-74	...	599	273	119	43	34	22	26	18	6
75-84	...	432	150	106	37	30	17	16	17	8
85 and over	...	107	33	28	11	12	2	5	...	1
Not stated	...	...	...	...	...	...	...	...	...	...
All Ages	...	3230	1482	557	235	192	181	107	77	48

## DEATHS IN EACH TOWN (corrected for Transfers)—January 1930—continued.

CAUSES OF DEATH.									
Enteric Fever	...	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...
Measles	...	...	7	...	...	4	1	...	1
Scarlet Fever	...	...	...	...	...	...	...	1	...
Whooping-cough	...	...	...	...	...	1	1	...	2
Diphtheria	...	...	...	...	1	1	1	...	2
Influenza	...	...	1	...	1	1	1	...	2
Encephalitis Lethargica	...	...	...	1	...	1	...	...	...
Cerebro-spinal Meningitis	...	...	...	...	...	...	...	...	...
Other Epidemic Diseases	...	...	...	...	...	...	1	...	...
Tuberculosis of Respiratory System	...	3	3	2	3	2	2	1	1
Tuberculous Meningitis	...	3	1	...	...	1	...	...	...
Tuber. of Intestines and Peritoneum	...	1	...	1	...	...	1	...	...
Other Tuberculous Disease	...	1	...	...	...	...	1	1	...
Malignant Tumours	...	4	4	6	2	4	4	4	5
Rheumatic Fever	...	...	...	1	1	1	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	1	2	3	5	3	8	4	2	1
Apoplexy	...	...	1	3	8	6	4	8	7
Heart Disease	...	...	2	...	1	...	1	1	1
Diseases of Arteries	...	...	4	1	3	4	3	2	2
Bronchitis	...	...	12	2	4	8	3	4	1
Pneumonia (all forms)	...	...	...	...	1	1	...	...	...
Other Diseases of Respiratory System	2	...	...	...	...	...	...	...	1
Diarrhoea and Enteritis (under 2 years)	...	...	...	...	1	1	1	...	...
Appendicitis	...	...	...	...	...	...	1	...	...
All Diseases of Liver (not Malignant)	1	...	...	...	...	...	...	...	...
Nephritis, Acute and Chronic	...	...	5	...	3	3	2	1	1
Puerperal Sepsis	...	...	...	...	...	...	1	...	2
Other Diseases and Accidents of Pregnancy and Parturition	...	1	...	...	...	...	...	...	...
Dis. of Early Infancy and Malformations	12	2	3	4	1	2	4	1	1
Suicide	...	1	...	...	...	1	...	...	...
Other Violent Deaths	...	5	...	3	3	2	1	2	1
Other Defined Diseases	...	9	1	9	9	7	4	3	5
Causes Ill-defined or Unknown	...	3	1	...	2	1	2	1	1
All Causes	...	76	25	53	52	43	36	30	36
AGE AT DEATH.									
Under 1	...	...	26	3	5	11	4	3	5
1-4	...	...	12	...	3	6	2	...	...
5-9	...	...	2	...	3	...	...	2	1
10-14	...	...	...	...	1	...	1	...	...
15-24	...	...	2	...	1	1	4	2	1
25-34	...	...	3	3	2	3	1	...	3
35-44	...	...	3	3	1	3	4	3	2
45-54	...	...	8	2	6	7	4	3	2
55-64	...	...	7	5	6	6	5	3	10
65-74	...	...	5	6	16	8	6	8	3
75-84	...	...	6	3	8	4	8	9	4
85 and over	...	...	2	...	1	3	4	3	1
Not stated	...	...	...	...	...	...	...	...	...
All Ages	...	76	25	53	52	43	36	30	36

## ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of JANUARY 1930.

OBSERVERS.	AIR PRESSURE at 9 A.M. and 9 P.M.		AIR TEMPERATURE.		HYGROMETER.		RAIN, AND OTHER FORMS OF PRE- CIPITATION.		WIND DIRECTIONS																		
			Absolute Maximum and Minimum.		Mean at 9 A.M. and 9 P.M.		Number of Days.		Number of Observations at 9 A.M. and 9 P.M.																		
	Mean of Minimum (B.)	Maximum (A.)	Day of Month.	Minimum.	Dry Bulb.	Vapour Pressure.	Depression of Wet Bulb.	Humidity.	N	NE	E	SE	S	SW	W	NW											
GLASGOW, Professor J. R. CURRIE, M.D., The University.	29.344	29.501	44.5	36.1	40.3	+1.7	53	6th	26	28th	40.1	1.8	•210	84	26	4.70 +1.43	2	0	4	6	8	22	8	2	10		
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	29.008	29.492	44.0	34.6	39.3	+1.3	53	7th	26	31st	39.0	1.9	•198	83	26	3.03 +1.29	1	0	3	7	20	15	5	2	9		
DUNDEE, A. MACRAE, Curator of Cemeteries.	29.295	29.480	42.5	33.7	38.1	+1.0	53	7th	26	28th	37.8	1.1	•203	90	21	1.97 +0.02	0	3	0	8	0	43	0	8	0		
ABERDEEN,* The Meteorological Office.	29.342	29.444	43.2	36.3	39.7	+1.8	54	7th	29	16, 26, 28	39.5	1.9	•203	83	14	1.85 -0.33	0	0	0	2	31	17	5	3	4		
PAISLEY, The Coats Observatory.	29.353	29.470	44.6	35.9	40.3	+1.2	52	7, 19	25	28th	39.9	1.3	•220	88	26	6.78 +2.79	0	5	6	21	16	4	2	0	8		
GREENOCK,† J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	29.230	29.496	44.0	35.8	39.9	+1.5	52	1, 2, 7	29	28, 29	39.2	1.5	•206	86	26	10.61 +3.77	0	2	8	5	24	16	3	2	2		
PERTH,† J. RITCHIE, The Museum.	29.448	29.473	43.8	32.9	38.3	+1.3	54	6, 7	21	31st	37.7	1.3	•200	88	23	2.33 -0.18	0	0	1	3	2	47	4	5	0		
Means	170	29.289	29.479	43.8	35.0	39.4	+1.4	..	..	..	..	..	39.0	1.5	•206	86	23	4.47 +1.26	0	1	3	8	14	24	4	3	5

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North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 14'. West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 27'; Paisley, 2° 46'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 36'.

\* At 9 A.M. and 6 P.M.  
† At 9 A.M. only.

MONTHLY RETURN  
OF THE  
**Births, Deaths, and Marriages**  
IN

**Sixteen of the Principal Towns of Scotland**

FEBRUARY 1930.

*Published by Authority of the Registrar-General.*

**REPORT**

During the month of February 1930 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 3905 living children, of whom 1978 were males, and 1927 were females. Compared with the number in the previous month, that of male children is 199 fewer, and of female children 227 fewer, the total number of children registered being 426 fewer.

The monthly birth-rate in these towns taken collectively was 21·0 per thousand. This rate is the same as that of the previous month, but is 0·2 more than the February average. In the individual towns the monthly birth-rates averaged 20·8, and varied from 27·7 per thousand in Coatbridge, 26·5 in Hamilton, 23·5 in Falkirk, and 22·4 in Greenock, to 13·1 in Dunfermline, 15·2 in Kirkcaldy, 18·4 in Ayr, and 18·7 in Edinburgh. In Glasgow the monthly birth-rate was 21·9, in Clydebank 21·7, in Dundee 21·4, in Kilmarnock 21·4, in Aberdeen 20·4, in Motherwell and Wishaw 20·4, in Paisley 20·0, and in Perth 19·5.

Of the 3905 living children registered during the month, 3626, or 92·9 per cent., were legitimate, while 279, or 7·1 per cent., were illegitimate. The legitimate children of the month are 408 fewer than registered in the previous month, and the illegitimate children 18 fewer. The illegitimate rate of the month, 7·1 per cent., is 0·2 more than that of the previous month. In the individual towns the illegitimate rate varied from 12·0 per cent. in Hamilton, 10·5 in Aberdeen, and 9·9 in Dundee and in Motherwell and Wishaw, to 2·2 in Kirkcaldy, 3·2 in Coatbridge, 3·5 in Greenock, and 3·7 in Clydebank. In Glasgow this rate was 7·2 per cent. and in Edinburgh 6·4.

Marriages registered in these towns during the month numbered 1051, and equalled a marriage-rate of 5·6 per thousand. This number is 840 less than that of the previous month. This rate is 3·6 less than that of the previous month, and 0·5 less than the February average. In the individual towns the monthly marriage-rate varied from 8·7 per thousand in Aberdeen, 6·1 in Edinburgh, 6·1 in Hamilton, and 6·0 in Glasgow, to 2·7 in Dunfermline, and 2·9 in Clydebank and in Falkirk.

*NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the three preceding years.*

Deaths registered in these towns during the month numbered 3417, which is 17 fewer than in the previous month. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 3227, and to include those of 1629 males and 1598 females. The corrected number is 3 less than that of the previous month, deaths of males numbering 24 fewer, while deaths of females numbered 21 more.

The monthly death-rate in these towns taken collectively and based on the corrected number of deaths was 17.3 per thousand, which rate is 1.6 above that of the previous month, but 1.6 less than the February average. In the individual towns the monthly death-rates averaged 16.1, and varied from 20.2 per thousand in Kirkcaldy, 19.3 in Kilmarnock, 18.8 in Edinburgh, and 18.0 in Glasgow, to 10.1 in Ayr, 12.7 in Clydebank, and 13.7 in Hamilton. In Paisley the monthly death-rate was 17.5, in Coatbridge 17.5, in Dundee 17.2, in Falkirk 17.2, in Dunfermline 15.8, in Greenock 15.6, in Aberdeen 14.7, in Motherwell and Wishaw 14.7, and in Perth 14.6.

Deaths of children of under one year of age numbered 458, and equalled an infantile mortality rate of 122 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. This mortality rate is 1 less than that of the previous month, and 3 less than the February average. In the individual towns this rate averaged 112, and varied from 158 per thousand in Greenock, 154 in Kirkcaldy, 144 in Edinburgh, and 140 in Kilmarnock, to 38 in Ayr, 63 in Motherwell and Wishaw, 67 in Dunfermline, and 84 in Aberdeen. In Falkirk this mortality rate was 137, in Paisley 137, in Clydebank 128, in Glasgow 127, in Coatbridge 118, in Dundee 104, in Hamilton 103, and in Perth 93.

Deaths from the principal epidemic diseases numbered 184, and equalled a death-rate of 1.0 per thousand. These deaths collectively number 12 more than in the previous month, and 6 more than the February average. These deaths included 1 from enteric fever, 78 from measles, 10 from scarlet fever, 33 from whooping-cough, 32 from diphtheria, and 30 from the diarrhoeas of childhood. Compared with the returns of the previous month, deaths from whooping-cough numbered 10 more, from the diarrhoeas of childhood 7 more, and from enteric fever 1 more, but those from scarlet fever are 1 fewer, from measles 1 fewer, and from diphtheria 4 fewer.

Deaths from influenza in all numbered 42. In November these deaths numbered 35, in December 25, and in January 26.

Deaths from respiratory diseases other than phthisis, but exclusive of those associated with influenza, in all numbered 819, and equalled a death-rate of 4.4 per thousand. These deaths numbered 166 more than in the previous month. This death-rate is 1.2 more than that of the previous month, but is 0.3 less than the February average.

Deaths from all forms of tuberculous disease numbered 205, of which 145 were ascribed to tuberculosis of the respiratory system. Compared with the number in the previous month the former is 10 fewer and the latter 9 fewer. Compared with the February average the former number is 36 fewer and the latter 32 fewer.

# METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

FEBRUARY 1930.

Mean barometric pressure, 30·197 in.; greater than the average of 1881-1915 by 0·354 in.

Mean temperature, 35°·1; less by 3°·3.

Mean daily range of temperature, 9°·5; less by 0°·7.

Rain, depth in inches, 0·79; less by 2·04 in.

Wind, direction of: a 3 days' excess of winds from N.E. and E.

The unsettled type of weather, which characterised the previous three months, continued into February, but not for long. About the 6th an anticyclone approached from Iceland and, apart from minor interruptions due to the passage of two shallow troughs of low pressure across the British Isles, quiet anticyclonic weather was experienced throughout the rest of the month. The mean barometric pressure was everywhere much above the normal. At Edinburgh the extremes of pressure at mean sea level were 30·87 in. on 9th and 29·03 in. on 1st, the former having been exceeded only once since 1840, namely in 1902.

With easterly or variable winds predominating temperatures were generally below the normal. Ground frost was very frequent, widespread and often severe, the morning of the 1st being the only morning on which ground frost was not reported. The temperature in the screen fell at Braemar to 4° F. on the 9th and to 5° F. on the 18th, and at Balmoral to 7° F. on the 18th. The grass minimum on the 9th fell to 2° F. at Balmoral and to 0° F. at Braemar; on the 18th to 1° F. at Balmoral and 3° F. at Braemar. The maximum reported for the month was 56° F. and occurred at Ruthwell on the 28th.

The month was exceptionally dry, large areas in the west and south-west having less than 10 per cent. of the normal, and only locally elsewhere did the falls exceed 50 per cent. of the normal. In the Edinburgh area it was the driest February since 1895. At Glenafnton 1·11 in. fell on the 5th, and at Pearsie 1·27 in. on the 3rd, but large falls were rare.

Gales were reported locally from northern districts on the 1st, but anticyclonic conditions prevailing, the winds on the average were exceptionally light, the month being distinctly quiet. There was a complete absence of thunderstorms, while under the quiet conditions fog was frequent in both inland and coastal districts. The fog was very dense locally in the Clyde and Scottish lowland areas on the 11th, 21st and 28th, and only slightly less dense on the 17th and 20th. The 15th was the only day on which fog was not reported.

Snow, sleet or hail fell in many districts principally during the first few days of the month, again about the centre, and later towards the end of the month; the falls of snow were generally light but tended to lie; at Balmoral and Braemar for instance the snow lay throughout the 28 days, while out of the 28 it lay 27 at Logie Coldstone and 24 at West Linton. On the 6th snow lay 10 inches deep at Braemar and between 7 and 8 inches at Balmoral.

Aurora was reported, mainly from northern districts, on 3rd, 5th, 12th, 15th, 16th, 17th, 18th, 20th and 21st, that of 15th being seen as far south as Leuchars.

Sunshine aggregates were in all but practically south-eastern coastal districts above the normal; in the Orkney Islands and in Dumfriesshire there was an average excess of more than one hour per day.

**NOTE.**—The mean values refer to those of the Principal Towns named in meteorological Table on p. 16.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, FEBRUARY 1930.

TOWNS.	POPULATION		BIRTHS.						DEATHS.					
	Census 1921.	Estimated to middle of 1930.	Males.	Females.	Total.	Legiti-mate.	Illegiti-mate.	MARRIAGES.	REGISTERED	TRANSFERS	Total	Out.	In.	Total Corrected.
GLASGOW, . . .	1,051,518	1,076,100	914	897	1811	1681	130	494	827	766	1593	135	29	1487
EDINBURGH, . . .	420,264	427,500	322	291	613	574	39	201	340	329	669	67	16	618
DUNDEE, . . .	168,315	167,000	130	144	274	247	27	56	105	129	234	18	4	220
ABERDEEN, . . .	158,963	158,800	117	131	248	222	26	106	85	104	189	37	27	179
PAISLEY, . . .	84,837	87,900	79	56	135	129	6	25	61	64	125	9	2	118
GREENOCK, . . .	81,133	81,900	66	75	141	136	5	30	55	47	102	7	3	98
MOTHERWELL AND WISHAW, . . .	68,869	70,900	54	57	111	100	11	24	32	39	71	0	9	80
CLYDEBANK, . . .	46,601	49,300	35	47	82	79	3	11	16	15	31	0	17	48
COATBRIDGE, . . .	43,919	44,700	56	39	95	92	3	14	25	23	48	0	12	60
DUNFERMLINE, . . .	39,899	37,900	20	18	38	35	3	8	33	20	53	12	5	46
KIRKCALDY, . . .	39,591	39,400	16	30	46	45	1	18	34	24	58	2	5	61
HAMILTON, . . .	39,504	40,800	42	41	83	73	10	19	26	16	42	4	5	43
KILMARNOCK, . . .	35,269	38,400	37	26	63	59	4	11	32	26	58	9	8	57
AYR, . . .	35,763	37,500	27	26	53	48	5	14	24	25	49	21	1	29
FALKIRK, . . .	34,419	35,600	40	24	64	61	3	8	26	25	51	6	2	47
PERTH, . . .	38,208	32,100	23	25	48	45	3	12	17	27	44	8	0	36
TOTAL (SIXTEEN TOWNS)	2,382,772	2,425,800	1978	1927	3905	3626	279	1051	1738	1679	3417	335	145	3227

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, FEBRUARY 1930.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.	Regis-tered.	Corr. for Trans-fers.	Principal Epidemic Diseases.	All Tuber-culosi-s.	Tuber. of Respiratory System.	All Respi-ratory Diseases.	Number.
GLASGOW, . . .	21·9	7·2	6·0	19·3	18·0	1·4	1·2	0·9	4·7	222	127
EDINBURGH, . . .	18·7	6·4	6·1	20·4	18·8	0·7	0·9	0·8	4·6	81	144
DUNDEE, . . .	21·4	9·9	4·4	18·3	17·2	0·4	1·5	0·9	3·9	28	104
ABERDEEN, . . .	20·4	10·5	8·7	15·5	14·7	0·3	0·7	0·5	2·1	20	84
PAISLEY, . . .	20·0	4·4	3·7	18·5	17·5	1·6	0·9	0·7	4·2	19	137
GREENOCK, . . .	22·4	3·5	4·8	16·2	15·6	0·6	0·8	0·8	4·6	22	158
MOTHERWELL AND WISHAW, . . .	20·4	9·9	4·4	13·1	14·7	0·6	0·6	0·4	5·5	7	63
CLYDEBANK, . . .	21·7	3·7	2·9	8·2	12·7	0·0	0·8	0·5	4·0	10	128
COATBRIDGE, . . .	27·7	3·2	4·1	14·0	17·5	0·9	2·3	0·9	3·2	10	118
DUNFERMLINE	13·1	7·9	2·7	18·2	15·8	0·0	0·7	0·7	3·8	3	67
KIRKCALDY, . . .	15·2	2·2	5·9	19·2	20·2	0·7	0·7	0·7	5·6	8	154
HAMILTON, . . .	26·5	12·0	6·1	18·4	13·7	2·6	1·3	0·3	3·2	7	103
KILMARNOCK, . . .	21·4	6·3	3·7	19·7	19·3	0·0	2·4	2·4	6·4	8	140
AYR, . . .	18·4	9·4	4·9	17·1	10·1	0·0	0·7	0·0	1·4	2	38
FALKIRK, . . .	23·5	4·7	2·9	18·7	17·2	0·7	0·4	0·4	7·7	7	137
PERTH, . . .	19·5	6·3	4·9	17·8	14·6	0·4	0·4	0·0	2·4	4	93
TOTAL (SIXTEEN TOWNS)	21·0	7·1	5·6	18·4	17·3	1·0	1·1	0·8	4·4	458	122

\* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR FEBRUARY 1930, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM										* Infantile Mortality Rate.	Mean Temperature, Seven Towns only.
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Diarrhoea (Under 2 Years).					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)			
FEB. 1930,	21.0	7.1	5.6	17.3	1	0	78	10	33	32	30	122	35.1			
FEB. 1929,	20.7	6.8	5.6	24.4	1	0	2	6	66	80	80	144	34.2			
FEB. 1928,	20.2	7.0	6.5	15.8	0	0	120	5	79	37	25	111	40.5			
FEB. 1927,	21.5	6.5	6.3	16.5	0	0	16	8	54	33	23	120	40.1			
FEB. 1926,	23.0	6.1	6.4	15.2	2	0	153	19	27	26	31	103	41.3			
FEB. 1925,	22.7	6.0	5.9	15.8	1	0	44	26	127	40	26	105	39.2			
FEB. 1924,	25.0	6.1	5.4	18.8	1	0	160	16	110	34	27	156	39.7			
FEB. 1923,	25.4	6.6	7.1	14.7	5	0	55	17	56	35	25	99	39.7			
FEB. 1922,	27.6	6.8	7.1	24.2	0	0	237	16	105	33	51	172	38.7			
FEB. 1921,	27.3	7.1	8.6	18.6	4	5	19	17	162	42	50	133	40.9			
FEB. 1920,	33.9	7.9	9.4	15.3	0	0	46	10	21	38	32	129	42.1			

Figures in columns 5-13 have been corrected for non-resident deaths.

\* Per 1000 of the average number of births registered monthly during the past 12 months.

### AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS - February 1930.

CAUSES OF DEATH.	Total.	Males.	Females.	Age.													
				-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over.		
Enteric Fever	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-
Phthisis Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masles	-	-	-	-	78	43	35	22	51	5	-	-	-	-	-	-	-
Scarlet Fever	-	-	-	-	10	4	6	1	5	3	1	-	-	-	-	-	-
Hooping-cough	-	-	-	-	33	7	26	14	17	1	-	-	-	1	-	-	-
Tuberculosis	-	-	-	-	32	17	15	5	19	7	-	1	-	-	-	-	-
Influenza	-	-	-	-	42	18	24	4	3	-	-	-	4	2	8	17	3
Cerebralitis Lethargica	-	-	-	-	7	2	5	-	-	-	-	2	3	2	-	-	1
Rebro-spinal Meningitis	-	-	-	-	10	6	4	4	4	-	1	1	-	-	-	-	-
Other Epidemic Diseases	-	-	-	-	14	11	3	2	1	1	-	2	3	-	2	2	1
Tuberculosis of Respiratory System	-	115	86	59	2	2	3	2	30	29	17	31	21	7	1	-	-
Tuberculous Meningitis	-	24	10	14	4	14	1	2	2	1	1	-	-	-	-	-	-
Tuberculosis of Intestines and Peritoneum	-	14	8	6	2	4	3	-	-	1	3	-	1	-	-	-	-
Other Tuberculous Disease	-	22	10	12	2	3	4	1	8	2	-	1	1	-	-	-	-
Malignant Tumours	-	290	135	155	-	-	-	-	-	4	29	42	77	99	34	5	-
Neumatic Fever	-	14	4	10	-	1	1	-	3	4	2	-	2	-	1	-	-
Meningitis (not Cer.-spin. or Tuberc.)	-	10	6	4	2	2	1	-	1	1	1	-	1	1	-	-	-
Opioxy	-	279	126	153	-	-	-	-	-	1	6	4	28	63	97	70	19
Heart Disease	-	401	179	222	2	2	1	2	1	10	16	39	85	139	84	20	-
Seasies of Arteries	-	36	21	15	-	-	-	-	-	-	-	2	3	9	16	6	-
Oncritis	-	315	143	172	31	7	-	2	3	4	8	28	56	95	68	13	-
Pneumonia (all forms)	-	461	276	185	140	93	3	-	10	15	32	37	44	49	28	10	-
Other Diseases of Respiratory System	-	43	23	20	5	6	1	-	-	2	-	6	5	11	6	1	-
Arrhaea and Enteritis (under 2 years)	-	30	13	17	22	8	-	-	-	-	-	-	-	-	-	-	-
Appendicitis	-	18	11	7	-	2	2	3	2	2	2	1	3	1	-	-	-
All Diseases of Liver (not Malignant)	-	20	9	11	-	-	-	-	-	1	-	7	5	6	1	-	-
Gastritis, Acute and Chronic	-	89	48	41	1	3	1	-	2	2	7	16	14	27	15	1	-
uterperal Sepsis	-	8	-	8	-	-	-	-	-	5	3	-	-	-	-	-	-
Other Dis. & Accidents of Preg. & Part.	-	32	-	32	-	-	-	-	6	15	11	-	-	-	-	-	-
Seasies of Early Infancy and Malform.	-	162	84	78	158	3	1	-	-	-	-	-	-	-	-	-	-
Homicide	-	28	14	9	-	-	-	-	2	4	4	7	5	1	-	-	-
Other Violent Deaths	-	103	60	43	5	10	10	3	9	3	12	11	21	9	7	3	-
Other Defined Diseases	-	426	239	187	26	11	9	5	10	21	34	44	65	94	77	30	-
Causes Ill-defined or Unknown	-	35	16	19	4	4	1	-	-	2	1	4	7	5	7	-	-
	3227	1629	1598	458	275	59	22	97	140	185	313	486	671	420	101		

## DEATHS IN EACH TOWN (corrected for Transfers)—February 1930.

CAUSES OF DEATH.										
		Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
Enteric Fever	...	1	1	1	1	1	1	1	1	1
Typhus Fever	...	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...	...
Measles	...	78	60	3	3	1	1	1	1	1
Scarlet Fever	...	10	5	3	3	1	1	1	2	2
Whooping-cough	...	33	12	8	3	1	1	1	2	2
Diphtheria	...	32	19	9	1	1	1	1	1	1
Influenza	...	42	13	13	1	1	1	1	1	1
Encephalitis Lethargica	...	7	2	4	1	1	1	1	1	1
Cerebro-spinal Meningitis	...	10	8	1	1	1	1	1	1	1
Other Epidemic Diseases	...	14	10	1	1	1	1	1	1	1
Tuberculosis of Respiratory System	...	145	72	25	12	6	5	5	2	2
Tuberculous Meniugitis	...	24	14	2	2	1	1	1	1	1
Tuber. of Intestines and Peritoneum	...	14	8	2	1	1	1	1	1	1
Other Tuberculous Disease	...	22	8	2	4	2	1	1	1	1
Malignant Tumours	...	290	117	55	24	27	5	5	7	5
Rheumatic Fever	...	14	8	2	1	1	1	1	1	1
Meningitis(not Cerebro-spinal or Tuber.)	...	10	5	2	1	1	1	1	1	1
Apoplexy	...	279	124	55	22	24	4	8	5	2
Heart Disease	...	401	154	101	32	20	25	6	6	9
Diseases of Arteries	...	36	10	9	3	12	1	1	1	1
Bronchitis	...	315	152	59	21	13	10	9	11	3
Pneumonia (all forms)	...	461	220	86	26	11	18	19	18	12
Other Diseases of Respiratory System	...	43	19	7	3	1	1	1	1	1
Diarrhoea and Enteritis (under 2 years)	...	30	21	3	2	1	1	1	1	1
Appendicitis	...	18	9	3	1	2	1	1	1	1
All Diseases of Liver (not Malignant)	...	20	13	2	1	1	1	1	1	1
Nephritis, Acute and Chronic	...	89	45	14	12	5	3	1	3	1
Puerperal Sepsis	...	8	4	1	1	1	1	1	1	1
Other Diseases and Accidents of Pregnancy and Parturition	...	32	19	2	1	3	2	1	1	3
Dis. of Early Infancy and Malformations	...	162	74	29	16	11	6	10	1	2
Suicide	...	23	7	8	2	2	1	1	1	1
Other Violent Deaths	...	103	43	21	3	7	3	1	1	1
Other Defined Diseases	...	426	188	89	24	24	19	18	15	7
Causes Ill-defined or Unknown	...	35	23	1	2	2	1	1	1	1
All Causes	...	3227	1487	618	220	179	118	98	80	48
AGE AT DEATH.										
Under 1	...	458	222	81	28	20	19	22	7	10
1- 4	...	275	152	39	18	7	7	4	10	3
5- 9	...	59	25	13	2	4	2	3	3	...
10-14	...	22	11	4	1	1	1	2	...	...
15-24	...	97	47	18	7	5	3	4	3	2
25-34	...	140	75	22	8	9	5	1	7	3
35-44	...	185	75	30	11	10	9	10	9	6
45-54	...	313	161	46	26	22	10	5	8	5
55-64	...	486	197	114	27	26	18	17	12	3
65-74	...	671	308	132	54	37	21	14	14	12
75-84	...	420	179	87	33	32	17	14	7	3
85 and over	...	101	35	32	6	6	6	2	...	1
Not stated	...	...	...	...	...	...	...	...	...	...
All Ages	...	3227	1487	618	220	179	118	98	80	48

## DEATHS IN EACH TOWN (corrected for Transfers)—February 1930—continued.

## CAUSES OF DEATH.

		Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
Enteric Fever	...	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...
Measles	...	2	...	2	7	...	...	2	...
Scarlet Fever	...	...	...	...	...	...	...	...	1
Whooping-cough	...	...	...	...	...	...	...	...	...
Diphtheria	...	...	...	...	...	...	...	...	...
Influenza	...	1	1	1	1	1	1	1	...
Encephalitis Lethargica	...	1	...	...	...	...	...	...	...
Cerebro-spinal Meningitis	...	...	...	...	...	...	...	...	...
Other Epidemic Diseases	...	...	...	...	...	...	1	...	...
Tuberculosis of Respiratory System	...	3	2	2	1	7	...	1	...
Tuberculous Meningitis	...	3	...	...	...	...	1	...	...
Tuber. of Intestines and Peritoneum	...	2	...	...	1	...	...	...	...
Other Tuberculous Disease	...	...	...	...	2	...	1	...	1
Malignant Tumours	...	11	4	7	3	6	6	2	6
Rheumatic Fever	...	1	...	...	1	...	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	1	...	...	...	1	...	...	...	...
Apoplexy	...	3	5	9	3	5	2	4	4
Heart Disease	...	6	10	7	5	8	2	4	6
Diseases of Arteries	...	...	...	1	...	...	...	...	...
Bronchitis	...	4	4	7	4	5	1	10	2
Pneumonia (all forms)	...	5	7	8	6	11	2	8	4
Other Diseases of Respiratory System	2	...	...	2	...	3	1	3	...
Diarrhoea and Entiritis (under 2 years)	1	...	...	...	1	...	...	...	...
Appendicitis	...	...	...	...	...	...	...	...	...
All Diseases of Liver (not Malignant)	...	...	...	...	...	...	...	1	...
Nephritis, Acute and Chronic	...	...	...	1	...	1	2	...	1
Puerperal Sepsis	...	...	...	...	...	...	1	...	1
Other Diseases and Accidents of Pregnancy and Parturition	...	...	...	...	...	...	1	...	1
Dis. of Early Infancy and Malformations	1	1	2	2	2	...	...	4	1
Suicide	...	...	1	...	...	...	1	...	...
Other Violent Deaths	...	3	4	4	2	5	2	2	3
Other Defined Diseases	...	8	8	7	2	3	4	5	5
Causes Ill-defined or Unknown	...	1	...	1	1	...	1	...	...
All Causes	...	60	46	61	43	57	29	47	36
AGE AT DEATH.									
Under 1	...	10	3	8	7	8	2	7	4
1-4	...	10	...	5	8	5	1	5	1
5-9	...	2	...	...	2	1	...	1	1
10-14	...	...	1	...	...	2	...	...	...
15-24	...	2	1	1	2	1	...	...	1
25-34	...	2	1	...	2	1	2	...	2
35-44	...	5	4	3	2	...	3	3	5
45-54	...	3	3	2	2	10	1	7	2
55-64	...	10	6	18	8	11	5	10	4
65-74	...	8	16	11	8	9	10	7	10
75-84	...	6	10	9	2	7	5	5	4
85 and over	...	2	1	4	...	2	...	2	2
Not stated	...	...	...	...	...	...	...	...	...
All Ages	...	60	46	61	43	57	29	47	36

## ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,  
During the Month of FEBRUARY 1930.

OBSERVERS.	AIR PRESSURE at 9 A.M. and 9 P.M.	AIR TEMPERATURE.				HYGROMETER.				RAIN, AND OTHER FORMS OF PRE- CIPITATION.				WIND DIRECTIONS													
		Number of Days.				Total Fall.				Number of Observations at 9 A.M. and 9 P.M.																	
		Mean of Absolute Maximum and Minimum.		Mean at 9 A.M. and 9 P.M.		Mean at 9 A.M. and 9 P.M.		Difference from Average.		N		NE		E		SE		S		SW		W		NW			
		Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.	N	NE	E	SE	S	SW	W	NW										
GLASGOW, Professor J. R. CURRIE, M.D., The University.	139	30.030	30.187	39.7	31.0	35.3	-3.8	47	28th	24	18th	33.7	1.4	.168	85	5	0.18	-2.70	2	8	14	0	2	2	24		
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29.723	30.226	39.9	30.7	35.3	-3.0	50	28th	26	17, 18 20, 21	34.2	1.5	.166	84	11	0.46	-1.13	6	2	16	0	0	7	8	1	16
DUNDEE, A. MACRAE, Curator of Cemeteries.	164	30.003	30.190	38.5	29.6	34.1	-3.4	45	28th	21	21st	33.0	1.0	.168	89	10	1.50	-0.38	0	9	0	12	0	26	0	9	0
ABERDEEN,* The Meteorological Office.	85	30.085	30.188	41.1	31.7	36.4	-1.9	52	28th	24	18, 21	35.3	1.8	.168	82	13	1.12	-0.93	3	1	6	6	3	7	9	10	11
PAISLEY, The Coats Observatory.	107	30.092	30.214	39.8	30.8	35.3	-4.3	47	28th	23	21st	34.2	1.1	.170	89	6	0.34	-3.17	7	11	1	1	2	2	4	4	4
GREENOCK,† J. MACALISTER, C.E., Greenock Waterworks.	238	29.940	30.205	39.8	32.0	35.9	-2.7	47	28th	25	18th	34.2	1.2	.170	87	7	0.69	-4.93	1	6	23	5	5	4	5	3	4
PERTH,† J. RITCHIE, The Museum.	22	30.145	30.171	40.7	26.7	33.7	-3.9	53	28th	17	21st	30.9	0.6	.160	93	10	1.26	-1.01	4	5	3	13	8	6	1	16	0
Means . .	170	30.003	30.197	39.9	30.4	36.1	-3.3	..	..	..	..	33.6	1.2	.167	87	9	0.79	-2.04	3	6	9	5	3	8	4	7	11

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 14'.  
 West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 36'.

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MONTHLY RETURN  
OF THE  
Births, Deaths, and Marriages  
IN  
Sixteen of the Principal Towns of Scotland

MARCH 1930.

*Published by Authority of the Registrar-General.*

**REPORT**

During the month of March 1930 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 4376 living children, of whom 2239 were males, and 2137 were females. Compared with the number in the previous month, that of male children is 261 more, of female children 210 more, and of children of both sexes 471 more.

The monthly birth-rate in these towns taken collectively was 21·2 per thousand. This rate is 0·2 more than that of the previous month, but 0·5 less than the March average. In the individual towns the monthly birth-rate averaged 20·9, and varied from 29·7 in Hamilton, 25·0 in Coatbridge, 23·6 in Motherwell and Wishaw, and 23·4 in Greenock, to 16·5 in Edinburgh, 16·7 in Ayr, 17·0 in Kirkcaldy, and 17·2 in Perth. In Kilmarnock the monthly birth-rate was 23·0, in Glasgow 22·9, in Dundee 22·1, in Aberdeen 21·4, in Falkirk 20·2, in Paisley 19·8, in Clydebank 18·4, and in Dunfermline 17·7.

Of the 4376 living children registered during the month, 4083, or 93·3 per cent., were legitimate, while 293, or 6·7 per cent., were illegitimate. The legitimate children of the month numbered 457 more than those of the previous month, and the illegitimate children 14 more. The illegitimate rate of the month, 6·7 per cent., is 0·4 less than that of the previous month. In the individual towns the illegitimate rate varied from 10·0 in Aberdeen, 9·1 in Clydebank, 8·9 in Dundee, and 8·8 in Kirkcaldy, to 2·7 in Paisley, 3·7 in Greenock, 4·0 in Kilmarnock, and 4·9 in Falkirk. In Glasgow this rate was 6·7 and in Edinburgh 5·7.

Marriages registered in these towns during the month numbered 1324, and equalled a marriage-rate of 6·4 per thousand. This number is 273 more than that of the previous month. This rate is 0·8 more than that of the previous month, and 1·0 more than the March average. In the individual towns the monthly marriage-rate varied from 8·1 in Perth, 7·6 in Aberdeen, and 7·0 in Glasgow and in Falkirk, to 3·2 in Coatbridge, 3·4 in Dunfermline, and 4·0 in Paisley and in Hamilton. In Edinburgh this rate was 6·9 and in Dundee 5·6.

*NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the three preceding years.*

Deaths registered in these towns during the month numbered 3799, which is 382 more than in the previous month. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 3615, and to include those of 1775 males and 1840 females. The corrected number is 388 more than that of the previous month, deaths of males numbering 146 more, and of females 242 more.

The monthly death-rate in these towns taken collectively and based on the corrected number of deaths was 17·5 per thousand, which rate is 0·2 more than that of the previous month, and 0·5 more than the March average. In the individual towns the monthly death-rates averaged 16·6, and varied from 21·2 in Dundee, 20·9 in Perth, and 18·4 in Glasgow and in Paisley, to 12·6 in Ayr, 13·6 in Falkirk, and 14·1 in Kilmarnock. In Coatbridge the monthly death-rate was 18·2, in Hamilton 18·2, in Greenock 17·7, in Motherwell and Wishaw 17·3, in Edinburgh 16·3, in Aberdeen 15·1, in Dunfermline 14·6, in Kirkcaldy 14·6, and in Clydebank 14·3.

Deaths of children of less than one year old numbered 543, and equalled an infantile mortality rate of 130 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths numbered 85 more than in the previous month. This mortality rate is 8 more than in the previous month, and 17 more than the March average. In the individual towns it varied from 183 per thousand in Paisley, 152 in Motherwell and Wishaw, 149 in Dundee, and 144 in Glasgow, to 34 in Ayr, 68 in Kirkcaldy, and 78 in Dunfermline and in Kilmarnock. In Greenock this rate was 141, in Perth 128, in Clydebank 126, in Aberdeen 109, in Edinburgh 108, in Hamilton 101, in Falkirk 86 and in Coatbridge 84.

Deaths from the principal epidemic diseases numbered 259, and equalled a death-rate of 1·3 per thousand. These deaths numbered 75 more than in the previous month, and 57 more than the March average. These deaths included 1 from enteric fever, 127 from measles, 6 from scarlet fever, 59 from whooping-cough, 30 from diphtheria, and 36 from the diarrhoeas of childhood. Compared with the returns of the previous month, deaths from measles are 49 more, from whooping-cough 26 more, and from the diarrhoeas of childhood 6 more, but those from enteric fever are of the same number, while those from scarlet fever are 4 fewer, and from diphtheria 2 fewer.

Deaths from influenza in all numbered 57. In December last these deaths numbered 25, in January 26, and in February 42.

Deaths attributed to respiratory diseases other than phthisis, but exclusive of those associated with influenza, numbered 879, and equalled a death-rate of 4·3 per thousand. These deaths numbered 60 more than in the previous month. This death-rate is 0·1 less than that of the previous month, but 0·5 more than the March average.

Deaths from all forms of tuberculous disease numbered 256, of which 180 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month the former is 51 more and the latter 35 more, but compared with the March average the former number is 20 less and the latter number also 20 less.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

MARCH 1930.

Mean barometric pressure, 29·750 in.; less than the average of 1881-1915 by 0·051 in.

Mean temperature, 39°·6; less by 0°·7.

Mean daily range of temperature, 10°·4; less by 1°·2.

Rain, depth in inches, 2·49; less by 0·30 in.

Wind, direction of: a 4 days' excess of south-westerly winds.

Quiet anticyclonic conditions characterised the first few days of the month, but with the development and persistence afterwards of a complex low pressure system over north-west Europe, a cold unsettled type of weather soon became general. During the last week, with depressions moving north-eastwards on the Atlantic off our western seaboard, there was a return to somewhat milder, though still unsettled, conditions. The mean barometric pressure was on the whole below normal, while at Edinburgh at mean sea level the extremes of pressure were 30·64 in. on 1st and 29·20 in. on 20th.

On account of the prolonged cold spell, during which northerly winds of Arctic origin prevailed, temperatures were below normal. The coldest period lay between the 10th and 24th, when at Arbroath the grass minimum temperature on each morning was below 30° F., and on 13 of these below 20° F., while at Eskdalemuir the screen minimum was, with two exceptions, below 30° F. each day from the 10th to the 23rd. The grass minimum at Balmoral fell to 2° F. on the 20th, and at West Linton to 4° F. on the 19th. On the morning of the 19th the screen minimum at Wolfelee was 7° F. and at West Linton 8° F. On the 25th the maximum temperature at Inverness was 63° F.

Rainfall was, with exception of small coastal areas in Fifeshire and the Lothians and in part of Sutherlandshire, below the normal, the deficiency being as much as 50 per cent. locally in north-eastern counties. At Ardtornish 1·89 in. fell on the 28th, at Gruline 1·92 in. on 30th, and at Glendessary 1·72 on 31st.

Gales were reported on 11 different days and thunderstorms on 3, namely 11th, 20th and 30th. Fog occurred locally between the 1st and 7th, the 15th and 21st, and on the 24th and 31st, the Clyde area being affected on 9 days.

Snow, sleet or hail was of frequent occurrence; the heaviest snowfalls occurred during the cold spell, roads in many districts being blocked; in the extreme north the storm centred around the 19th-20th was particularly severe, falls of 9 or more inches were common, and on account of the strong winds much drifting occurred.

Aurora was observed on the 6th, 11th, 12th-14th, 18th-25th and 27th, that of 12th being seen as far south as Dumfriesshire; that of the 21st was reported from Orkney as being brilliant.

Sunshine aggregates were in the northern half of the country above, and in the south below normal.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 24.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, MARCH 1930.

TOWNS.	POPULATION		BIRTHS.					DEATHS.						
	Census 1921.	Estimated to middle of 1930.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.	MARRIAGES.		REGISTERED		TRANSFERS		
								Males.	Females.	Total.	Out.	In.	Total Corrected.	
GLASGOW, . . .	1,051,518	1,076,100	1065	1032	2097	1956	141	644	902	890	1792	155	45	1682
EDINBURGH, . . .	420,264	427,500	304	295	599	565	34	250	324	343	667	88	14	593
DUNDEE, . . .	168,315	167,000	165	148	313	285	28	79	145	166	311	15	5	301
ABERDEEN, . . .	158,963	158,800	144	145	289	260	29	103	87	110	197	21	27	203
PAISLEY, . . .	84,837	87,900	80	68	148	144	4	30	61	81	142	10	5	137
GREENOCK, . . .	81,133	81,900	87	76	163	157	6	48	68	54	122	4	5	123
MOTHERWELL AND WISHAW, . .	68,869	70,900	71	71	142	131	11	25	50	37	87	0	17	104
CLYDEBANK, . . .	46,601	49,300	40	37	77	70	7	18	28	13	41	0	19	60
COATBRIDGE, . . .	43,919	44,700	51	44	95	90	5	12	36	27	63	1	7	69
DUNFERMLINE, . .	39,899	37,900	34	23	57	54	3	11	23	31	54	8	1	47
KIRKCALDY, . . .	39,591	39,400	23	34	57	52	5	14	22	23	45	5	9	49
HAMILTON, . . .	39,504	40,800	54	49	103	97	6	14	28	31	59	3	7	63
KILMARNOCK, . . .	35,969	38,400	42	33	75	72	3	16	18	34	52	9	3	46
AYR, . . . . .	35,763	37,500	29	24	53	49	4	17	16	31	47	14	7	40
FALKIRK, . . . . .	34,419	35,600	27	34	61	58	3	21	24	20	44	5	2	41
PERTH, . . . . .	33,208	32,100	23	24	47	43	4	22	40	36	76	22	3	57
TOTAL . . . . . (SIXTEEN TOWNS)	2,382,772	2,425,800	2239	2137	4376	4083	293	1324	1872	1927	3799	360	176	3615

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, MARCH 1930.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM					DEATHS UNDER ONE YEAR OF AGE.				
				All Causes.		Regis- tered.	Corr. for Trans- fers.	Principal Epidemic Diseases.	All Tuber- culosis.	Tuber. of Respiratory System.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				All Causes.	Principal Epidemic Diseases.								
GLASGOW, . . .	22·9	6·7	7·0	19·6	18·4	1·5		1·5	1·0	4·8	281	144	
EDINBURGH, . . .	16·5	5·7	6·9	18·4	16·3	0·7		1·0	0·8	3·6	67	108	
DUNDEE, . . .	22·1	8·9	5·6	21·9	21·2	2·1		1·3	0·9	4·6	44	149	
ABERDEEN, . . .	21·4	10·0	7·6	14·6	15·1	0·4		0·7	0·6	3·0	29	109	
PAISLEY, . . .	19·8	2·7	4·0	19·0	18·4	1·9		1·3	1·1	4·3	28	183	
GREENOCK, . . .	23·4	3·7	6·9	17·5	17·7	1·6		1·4	1·2	2·6	22	141	
MOTHERWELL AND WISHAW, . .	23·6	7·7	4·2	14·4	17·3	0·8		0·7	0·5	5·1	19	152	
CLYDEBANK, . . .	18·4	9·1	4·3	9·8	14·3	1·0		1·2	1·2	4·5	11	126	
COATBRIDGE, . .	25·0	5·3	3·2	16·6	18·2	1·1		1·3	0·8	5·0	8	84	
DUNFERMLINE,	17·7	5·3	3·4	16·8	14·6	0·3		0·0	0·0	2·8	4	78	
KIRKCALDY, . . .	17·0	8·8	4·2	13·4	14·6	0·6		1·2	1·2	1·8	4	68	
HAMILTON, . . .	29·7	5·8	4·0	17·0	18·2	3·2		1·2	0·6	4·0	8	101	
KILMARNOCK, . . .	23·0	4·0	4·9	15·9	14·1	0·0		0·6	0·3	3·7	5	78	
AYR, . . . . .	16·7	7·5	5·3	14·8	12·6	0·0		0·9	0·3	3·1	2	34	
FALKIRK, . . .	20·2	4·9	7·0	14·6	13·6	1·7		0·3	0·3	4·0	5	86	
PERTH, . . . . .	17·2	8·5	8·1	27·8	20·9	0·4		0·7	0·7	6·6	6	128	
TOTAL . . . . . (SIXTEEN TOWNS)	21·2	6·7	6·4	18·4	17·5	1·3		1·2	0·9	4·3	543	130	

\* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR MARCH 1930, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								* Infantile Mortality Rate.	Mean Temperature Seven Towns only.
					(6)	Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Diarrhoea (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)										
MAR. 1930, .	21·2	6·7	6·4	17·5	1	0	127	6	59	30	36	130	39°·6	
MAR. 1929, .	20·2	6·8	5·1	17·4	0	0	3	6	73	20	28	107	43°·4	
MAR. 1928, .	21·9	6·1	5·0	16·8	1	0	138	3	106	30	23	121	40°·5	
MAR. 1927, .	23·0	5·9	6·1	16·8	0	0	22	7	79	26	42	112	43°·8	
MAR. 1926, .	24·3	5·4	6·0	17·4	0	0	158	30	42	41	35	119	43°·0	
MAR. 1925, .	22·5	6·4	6·3	15·2	2	0	37	30	147	50	29	108	41°·1	
MAR. 1924, .	23·4	6·5	6·6	23·3	1	0	166	18	196	21	30	173	37°·7	
MAR. 1923, .	24·8	6·8	6·2	14·6	0	0	57	18	69	31	28	94	42°·7	
MAR. 1922, .	27·6	6·9	6·5	17·1	2	0	316	9	77	22	45	125	40°·6	
MAR. 1921, .	27·0	7·6	9·2	17·9	4	0	29	17	205	39	52	114	42°·6	
MAR. 1920, .	35·7	7·2	10·7	18·7	8	3	94	15	30	41	52	146	42°·7	

Figures in columns 5-13 have been corrected for non-resident deaths.

\* Per 1000 of the average number of births registered monthly during the past 12 months.

### AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—March 1930.

CAUSES OF DEATH.	Total.	Males.	Females.	Age.											
				-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over
Enteric Fever	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—
Typhus Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Small-pox	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Measles	—	—	—	127	59	68	49	75	2	—	—	—	—	—	—
Scarlet Fever	—	—	—	—	6	5	1	1	3	1	—	—	—	—	—
Whooping-cough	—	—	—	—	59	28	31	24	33	2	—	—	—	—	—
Diphtheria	—	—	—	—	30	12	18	3	16	8	3	—	—	—	—
Influenza	—	—	—	—	57	31	26	2	2	—	1	5	1	6	13
Encephalitis Lethargica	—	—	—	—	6	2	4	—	1	—	1	1	1	10	9
Erebro-spinal Meningitis	—	—	—	—	28	15	13	10	13	—	—	5	—	—	2
Other Epidemic Diseases	—	—	—	—	24	15	9	3	2	—	1	1	1	4	4
Tuberculosis of Respiratory System	—	—	—	180	88	92	—	3	3	3	40	42	37	21	18
Tuberculous Meningitis	—	—	—	40	21	19	6	23	4	2	2	1	1	—	1
Tuberculosis of Intestines and Peritoneum	—	—	—	12	4	3	1	3	4	1	1	1	1	—	—
Other Tuberculous Disease	—	—	—	24	12	12	2	6	3	1	7	1	1	2	1
Malignant Tumours	—	—	—	296	122	174	—	—	—	2	4	14	53	89	94
Heumatic Fever	—	—	—	—	1	—	1	—	1	—	—	—	—	—	—
Meningitis (not Cer.-spin. or Tuberc.)	—	—	—	20	13	7	6	7	2	2	—	2	—	1	—
Poplexy	—	—	—	302	116	186	—	—	1	—	—	3	20	57	105
Heart Disease	—	—	—	418	197	221	—	2	2	3	12	18	19	41	80
Diseases of Arteries	—	—	—	39	22	17	—	—	—	—	—	—	8	4	10
bronchitis	—	—	—	345	154	191	33	2	1	—	2	3	17	35	48
Pneumonia (all forms)	—	—	—	491	305	186	111	77	4	1	19	22	33	50	48
Other Diseases of Respiratory System	—	—	—	43	23	29	8	4	1	—	2	1	1	2	5
Diarrhoea and Enteritis (under 2 years)	—	—	—	36	20	16	32	4	—	—	—	—	—	—	—
Appendicitis	—	—	—	26	12	14	—	2	—	3	5	4	3	2	3
All Diseases of Liver (not Malignant)	—	—	—	25	10	15	—	—	—	—	1	4	2	6	5
ephritis, Acute and Chronic	—	—	—	90	36	54	—	1	—	1	4	7	9	18	20
peripheral Sepsis	—	—	—	13	—	13	—	—	—	—	4	4	4	1	—
Other Dis. & Accidents of Preg. & Part.	—	—	—	17	—	17	—	—	—	—	2	8	7	—	—
Causes of Early Infancy and Malform.	—	—	—	196	113	83	194	—	1	1	—	—	—	—	—
Suicide	—	—	—	18	13	5	—	—	—	1	5	3	3	4	2
Her Violent Deaths	—	—	—	106	62	44	14	11	9	3	7	6	10	13	11
Her Defined Diseases	—	—	—	486	240	246	41	20	5	10	15	17	29	50	65
Causes Ill-defined or Unknown	—	—	—	53	25	28	3	5	—	—	1	2	3	4	13
	3615	1775	1840	543	315	54	36	139	152	209	331	491	695	527	123

## DEATHS IN EACH TOWN (corrected for Transfers)—March 1930.

CAUSES OF DEATH.		Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
Enteric Fever	...	1	1	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...	...
Measles	...	127	69	2	23	...	5	7	1	2
Scarlet Fever	...	6	6	...	...	4	7	2	3	...
Whooping-cough	...	59	27	9	5	1	1	1	...	...
Diphtheria	...	30	14	10	1	...	...	...	...	...
Influenza	...	57	20	11	3	1	1	6	4	1
Encephalitis Lethargica	...	6	4	...	...	...	...	...	...	...
Cerebro-spinal Meningitis	...	28	13	7	2	...	3	1	1	...
Other Epidemic Diseases	...	24	16	5	1	...	1	...	...	...
Tuberculosis of Respiratory System	...	180	92	29	13	8	8	8	3	5
Tuberculous Meningitis	...	40	26	7	2	1	1	...	...	...
Tuber. of Intestines and Peritoneum	...	12	6	1	3	...	...	...	...	...
Other Tuberculous Disease	...	24	16	1	1	...	1	2	1	...
Malignant Tumours	...	296	117	55	34	27	8	13	9	4
Rheumatic Fever	...	1	...	1	...	...	...	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	...	20	5	3	...	2	...	2	...	...
Apoplexy	...	302	130	61	29	23	8	4	4	2
Heart Disease	...	418	164	89	35	25	21	7	5	12
Diseases of Arteries	...	39	14	6	2	8	1	1	...	1
Bronchitis	...	345	167	58	27	14	11	8	13	5
Pneumonia (all forms)	...	491	257	65	36	25	21	8	16	14
Other Diseases of Respiratory System	...	43	18	8	2	2	...	2	2	...
Diarrhoea and Enteritis (under 2 years)	...	36	23	4	1	1	2	1	1	2
Appendicitis	...	26	9	7	2	2	...	...	2	2
All Diseases of Liver (not Malignant)	...	25	11	4	1	3	1	2	1	...
Nephritis, Acute and Chronic	...	90	53	14	6	6	3	...	1	...
Puerperal Sepsis	...	13	7	1	1	...	2	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	17	9	3	...	...	...	1	2	...
Dis. of Early Infancy and Malformations	...	196	87	30	21	9	13	13	7	2
Suicide	...	18	8	5	1	3	...	1	...	...
Other Violent Deaths	...	106	55	16	2	1	2	9	4	3
Other Defined Diseases	...	486	202	81	45	37	15	20	19	5
Causes Ill-defined or Unknown	...	53	36	...	2	...	2	4	5	...
All Causes	...	3615	1682	593	301	203	137	123	104	60
AGE AT DEATH.										
Under 1	...	543	281	67	44	29	28	22	19	11
1-4	...	315	158	24	45	6	14	10	10	6
5-9	...	54	23	11	3	3	...	7	1	1
10-14	...	36	15	4	2	4	...	2	3	1
15-24	...	139	74	17	8	3	4	12	3	3
25-34	...	152	78	25	9	9	5	3	6	1
35-44	...	209	107	30	15	13	7	6	7	7
45-54	...	331	169	48	23	17	13	7	12	5
55-64	...	491	228	89	42	25	13	16	12	10
65-74	...	695	290	131	55	43	30	22	17	11
75-84	...	527	221	113	48	36	18	11	10	4
85 and over	...	123	38	34	7	15	5	5	4	...
Not stated	...	...	...	...	...	...	...	...	...	...
All Ages	...	3615	1682	593	301	203	137	123	104	60

DEATHS IN EACH TOWN (corrected for Transfers)—March 1930—*continued.*

CAUSES OF DEATH.												
					Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
Enteric Fever	...	...	...	...	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	2	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...	...	...	...
Measles	...	...	...	...	...	...	2	10	...	...	4	...
Scarlet Fever	...	...	...	...	...	...	...	...	...	...	1	...
Whooping-cough	...	...	...	...	1	...	...	...	...	...	...	3
Diphtheria	...	...	...	...	1	1	...	1	...	...	...	...
Influenza...	...	...	...	...	2	...	1	4	...	...	...	...
Encephalitis Lethargica	...	...	...	...	...	...	...	...	1	...	1	...
Cerebro-spinal Meningitis	...	...	...	...	...	...	...	...	1	...	...	...
Other Epidemic Diseases	...	...	...	...	...	...	...	1	...	...	...	...
Tuberculosis of Respiratory System	...	...	3	...	...	...	4	2	1	1	1	2
Tuberculous Meningitis	...	...	...	...	...	...	...	...	1	2	...	...
Tuber. of Intestines and Peritoneum	...	...	1	...	...	...	...	1	...	...	...	...
Other Tuberculous Disease	...	...	1	...	...	...	...	1	...	...	...	...
Malignant Tumours	...	...	7	5	1	...	3	2	...	3	5	3
Rheumatic Fever	...	...	...	...	...	...	...	...	...	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	...	3	3	1	1	1	3	5	3	3	9	...
Apoplexy...	...	...	4	5	9	3	5	6	9	9	3	6
Heart Disease	...	...	8	13	10	5	5	6	...	...	...	1
Diseases of Arteries	...	...	...	1	...	1	1	2	...	1	...	1
Bronchitis	...	...	8	5	5	7	7	4	5	5	3	5
Pneumonia (all forms)	...	10	4	1	7	7	6	6	4	7	10	...
Other Diseases of Respiratory System	...	1	...	...	...	...	...	2	...	1	2	3
Diarrhoea and Enteritis (under 2 years)	...	...	...	...	...	...	...	...	...	...	...	1
Appendicitis	...	...	...	...	...	...	1	...	...	...	1	...
All Diseases of Liver (not Malignant)	...	...	...	...	...	...	...	1	1	1	...	...
Nephritis, Acute and Chronic	...	2	1	...	...	...	1	1	1	1	...	1
Puerperal Sepsis	...	1	...	...	...	...	...	1	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	...	...	...	...	...	1	...	...	1	...	...
Dis. of Early Infancy and Malformations	...	3	2	...	...	3	...	...	2	1	1	3
Suicide	...	...	...	...	...	...	...	...	...	...	...	...
Other Violent Deaths	...	...	3	1	1	3	1	...	...	2	3	...
Other Defined Diseases	...	...	8	5	13	6	11	6	6	6	6	7
Causes Ill-defined or Unknown	...	...	...	1	1	1	...	...	1	...	...	...
All Causes		...	69	47	49	63	46	40	41	57		
AGE AT DEATH.												
Under 1	...	...	...	...	8	4	4	8	5	2	5	6
1-4	...	...	...	...	14	...	1	14	2	3	6	2
5-9	...	...	...	...	1	1	...	2	...	...	1	...
10-14	...	...	...	...	2	1	...	1	...	...	1	...
15-24	...	...	...	...	5	1	1	2	1	3	...	2
25-34	...	...	...	...	1	1	4	2	2	...	1	5
35-44	...	...	...	...	3	1	2	5	...	3	3	...
45-54	...	...	...	...	6	4	6	5	3	3	3	7
55-64	...	...	...	...	8	10	12	4	9	6	2	5
65-74	...	...	...	...	15	13	7	12	14	10	11	14
75-84	...	...	...	...	6	7	11	7	8	8	7	12
85 and over	...	...	...	...	...	4	1	1	2	2	1	4
Not stated	...	...	...	...	...	...	...	...	...	...	...	...
All Ages		...	69	47	49	63	46	40	41	57		

## ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of MARCH 1930.

OBSERVERS.	AIR PRESSURE at 9 A.M. and 9 P.M.		AIR TEMPERATURE.		HYGROMETER.		RAIN, AND OTHER FORMS OF PRE- CIPITATION.						WIND DIRECTIONS													
			Mean of Absolute Maximum and Minimum.		Mean at 9 A.M. and 9 P.M.		Number of Days.						Number of Observations at 9 A.M. and 9 P.M.													
	Mean of Maximum (A.)	Minimum (B.)	Day of Month.	Day of Month.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.	N	NE	E	SE	S	SW	W	NW										
GLASGOW, Professor J. R. CURRIE, M.D., The University.	29.594	29.751	44.7	35.6	40.1	-0.5	54	27th	25	19th	39.7	2.3	'196	2.61	-0.06	2	10	14	0	4	18	10	2	2		
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	29.275	29.766	44.5	34.5	39.5	-0.4	56	27th	22	19th	38.6	1.8	'198	83	17	2.15	+0.36	3	8	1	3	7	12	13	2	13
DUNDEE, A. MACRAE, Curator of Cemeteries.	29.552	29.736	44.2	33.2	38.7	-1.1	57	27th	27	20th	38.1	1.6	'196	85	14	1.64	-0.42	0	14	0	8	0	36	0	4	0
ABERDEEN,* The Meteorological Office.	29.619	29.729	45.0	33.7	39.3	-0.8	59	27th	23	19th	38.2	2.3	'180	79	15	1.33	-1.08	4	0	3	4	15	10	9	13	4
PAISLEY The Coats Observatory.	29.643	29.764	45.5	35.0	40.3	-1.5	57	27th	23	19th	39.6	1.9	'206	83	18	3.64	+0.46	7	9	3	9	8	11	7	3	5
GREENOCK,† J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	29.506	29.769	44.0	35.3	39.7	-0.4	54	27th	25	19th	38.7	1.6	'203	85	20	4.40	-0.53	2	4	15	3	13	6	16	2	1
PERTH,† J. RITCHIE, The Museum.	29.709	29.733	45.9	33.4	39.7	-0.4	55	25th	24	15th	39.4	1.8	'198	83	18	1.68	-0.81	6	7	0	6	0	26	0	17	0
Means . . .	170	29.557	29.750	44.8	34.4	39.6	-0.7	..	..	..	38.9	1.9	'197	82	17	2.49	-0.30	3	7	5	5	7	17	8	6	4

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West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 2° 7'; Greenock, 4° 27'; Perth, 3° 25'; Mean, 3° 36'.

For Official Use.

MONTHLY RETURN  
OF THE  
Births, Deaths, and Marriages  
IN  
Sixteen of the Principal Towns of Scotland

APRIL 1930.

*Published by Authority of the Registrar-General.*

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REPORT

During the month of April 1930 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 4313 living children, of whom 2204 were males, and 2109 were females. Compared with the number in the previous month, that of male children is 35 fewer and of female children 28 fewer, the total number of children registered being 63 fewer.

The monthly birth-rate in these towns taken collectively was 21·6 per thousand. This rate is 0·4 more than that of the previous month, but is 0·8 less than the April average.

In the individual towns the monthly birth-rate averaged 21·6, and varied from 26·2 in Clydebank, 25·6 in Coatbridge, and 25·0 in Hamilton, to 14·8 in Dunfermline, 17·1 in Kilmarnock, 18·3 in Edinburgh, and 18·8 in Ayr. In Falkirk the monthly birth-rate was 23·6, in Greenock 23·3, in Kirkcaldy 23·1, in Glasgow 22·8, in Dundee 22·4, in Motherwell and Wishaw 22·1, in Perth 21·2, in Aberdeen 20·8, and in Paisley 20·1.

Of the 4313 children whose births were registered during the month, 4038, or 93·6 per cent., were legitimate, while 275, or 6·4 per cent., were illegitimate. The legitimate children numbered 45 fewer than in the previous month, and the illegitimate children 18 fewer. The illegitimate rate of the month, 6·4 per cent., is 0·3 less than that of the previous month. In the individual towns the illegitimate rate of the month varied from 10·1 in Motherwell and Wishaw, 9·5 in Hamilton, 8·6 in Ayr, and 8·5 in Aberdeen, to 2·5 in Greenock, 2·8 in Clydebank, and 2·9 in Falkirk. In Glasgow this rate was 6·6 per cent., in Edinburgh 6·2, and in Dundee 6·5.

Marriages registered in these towns during the month numbered 1926, and equalled a marriage-rate of 9·7 per thousand. This number is 602 more than that of the previous month. This rate is 3·3 more than that of the previous month, and is 0·3 more than the April average. In the individual towns the monthly marriage-rate averaged 8·4, and varied from 16·3 in Perth, 12·0 in Dundee, and 10·9 in Glasgow, to

*NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the three preceding years.*

4·2 in Hamilton, 4·3 in Motherwell and Wishaw, 6·4 in Dunfermline, and 6·5 in Kirkcaldy and in Ayr. In Edinburgh the monthly marriage-rate was 8·9 and in Aberdeen 9·3.

Deaths registered in these towns during the month numbered 3224, and are 575 fewer than registered in March. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 3046, and to include those of 1554 males and 1492 females. The corrected number is 569 less than that of the previous month, deaths of males being 221 fewer, and of females 348 fewer.

The monthly death-rate in these towns taken collectively and based on the corrected number of deaths was 15·3 per thousand, which rate is 2·2 less than that of the previous month, but is 0·2 more than the April average. In the individual towns the monthly death-rate averaged 13·7, and varied from 20·3 in Dundee, 16·1 in Glasgow, 16·1 in Coatbridge, and 15·5 in Kilmarnock, to 9·1 in Perth, 10·9 in Clydebank, 11·3 in Hamilton, and 11·4 in Kirkcaldy. In Edinburgh the monthly death-rate was 14·7, in Paisley 14·4, in Aberdeen 14·3, in Greenock 13·8, in Ayr 13·3, in Motherwell and Wishaw 13·0, in Falkirk 12·7, and in Dunfermline 12·2.

Deaths of children of less than one year old numbered 412, and equalled an infantile mortality rate of 103 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths numbered 131 fewer than in the previous month. The infantile mortality rate is 27 less than that of the previous month and 1 less than the April average. In the individual towns the monthly infantile mortality rate averaged 83 and varied from 148 in Dundee, 143 in Clydebank, 131 in Motherwell and Wishaw, and 131 in Kilmarnock, to 0 in Perth, 35 in Kirkcaldy, 42 in Dunfermline, and 44 in Coatbridge. In Aberdeen this rate was 118, in Greenock 116, in Glasgow 111, in Edinburgh 83, in Paisley 75, in Ayr 54, in Falkirk 53, and in Hamilton 51.

Deaths from the principal epidemic diseases numbered 229, and equalled a death-rate of 1·1 per thousand. These deaths numbered 30 fewer than in the previous month, but 47 more than the April average. These deaths included 1 from enteric fever, 106 from measles, 5 from scarlet fever, 63 from whooping-cough, 23 from diphtheria, and 31 from the diarrhoeas of childhood. Compared with the number in the previous month, deaths from measles are 21 fewer, from diphtheria 7 fewer, from the diarrhoeas of childhood 5 fewer, and from scarlet fever 1 fewer, but those from enteric fever are of the same number, while those from whooping-cough are 4 more.

Deaths attributed to influenza either as a sole cause or along with other stated cause numbered 43. In January these deaths numbered 26, in February 42, and in March 57.

Deaths attributed to respiratory diseases other than phthisis, but exclusive of those associated with influenza, in all numbered 614, and equalled a death-rate of 3·1 per thousand. These deaths numbered 265 fewer than in the previous month. This death-rate is 1·2 less than that of the previous month, but is 0·3 more than the April average.

Deaths from all forms of tuberculous disease numbered 232, of which 156 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month the former number is 24 fewer and the latter 24 fewer, but compared with the April average the former number is 27 and the latter 31 fewer.

# METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

APRIL 1930.

Mean barometric pressure, 29·840 in.; less than the average of 1881-1915 by 0·050 in.

Mean temperature, 45°·5; greater by 1°·0.

Mean daily range of temperature, 11°·3; less by 2°·7.

Rain, depth in inches, 1·79; less by 0·32 in.

Wind, direction of: a 4 days' excess of winds from between N. and N.E.

The month opened with a very deep depression centred on the Atlantic to the westwards of the British Isles, and this gave rise to gales along the western and north-western seaboard as it extended its influence eastwards. Thereafter pressure became mainly relatively high to the westward and low to the eastwards, the pressure for a large part of the month being low over most of Europe. The mean barometric pressure for the month was slightly below normal, while at Edinburgh at mean sea level the extremes of pressure were 30·27 in. on 27th and 29·36 in. on 13th.

The mean temperature was slightly above normal, but this was largely attributable to the low mean daily range and a warm spell towards the end of the month, the greater part of the month having low daily maximum temperatures. From the 5th to the 13th low minima were recorded in many districts, 24° F. occurring at Kilmarnock on the 6th and 26° F. at Renfrew on the same date and at Braemar on the 11th. A grass minimum of 16° F. was registered at Renfrew on the 6th, but ground frosts were frequent and fairly widespread. 69° F. was reached at Fort Augustus on the 30th and 67° F. at Onich on the 26th and 29th and at Logie Coldstone on the 30th.

Over the greater part of the country there was a deficiency of rainfall, this being locally, particularly north of the Caledonian Canal and in Lanarkshire, as much as 50 per cent. Over most of Aberdeenshire, Kincardineshire and Angus, together with eastern Caithness, the Orkneys, Berwickshire and a small area in the vicinity of Rothesay, there was a slight excess. The largest falls of rain generally occurred on the 1st; on that day 1·76 in. fell at New Cumnock, 1·47 in. at Lochgoilhead and 1·01 in. at Ettrick Manse. On the 6th, 1·02 in. fell at Findhorn, where the total for the month was 1·42 in.

Gales occurred locally from 1st to 4th and from 18th to 22nd, and local fog between 2nd and 4th, 6th and 10th, and 23rd to 29th. The fog was particularly dense in the Firth of Forth and adjacent areas between the 25th and 27th.

Snow, sleet or hail was of frequent occurrence and at times rather widespread; the falls were, however, mostly between 3rd and 6th and the 11th and 22nd. No heavy falls of snow were reported. Thunderstorms occurred locally on the 13th-14th, 26th and 28th.

Aurora was observed on 8 nights, namely the 6th, 16th, 17th, 19th, 20th, 21st, 23rd and 30th.

Sunshine aggregates in the east were much below normal, while in the west, particularly in the Outer Islands, it was perhaps a record April for sunshine. At Tiree there were 214 hours of bright sunshine, while at Aberdeen there were only 100 and at Edinburgh 106. At Marchmont, where there were only 101 hours, there have only been on two occasions since 1881 a lower total in April, namely 1889 (87 hours) and 1908 (91 hours).

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 32.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, APRIL 1930.

TOWNS.	POPULATION		BIRTHS.						DEATHS.					
	Census 1921.	Estimated to middle of 1930.	Males.	Females.	Total.	Legiti-mate.	Illegiti-mate.	MARRIAGES.	REGISTERED	TRANSFERS	Total.	Out.	In.	Total Corrected.
GLASGOW, . .	1,051,518	1,076,100	1049	970	2019	1886	133	961	785	735	1520	137	40	1423
EDINBURGH, . .	420,264	427,500	329	313	642	602	40	314	291	302	593	87	11	517
DUNDEE, . .	168,315	167,000	173	134	307	287	20	165	153	140	293	19	5	279
ABERDEEN, . .	158,963	158,800	125	147	272	249	23	121	93	91	184	31	34	187
PAISLEY, . .	84,837	87,900	63	82	145	138	7	56	52	58	110	10	4	104
GREENOCK, . .	81,133	81,900	71	86	157	153	4	51	57	40	97	8	4	93
MOTHERWELL AND WISHAW, .	68,869	70,900	63	66	129	116	13	25	38	32	70	1	7	76
CLYDEBANK, . .	46,601	49,300	52	54	106	103	3	34	12	13	25	0	19	44
COATBRIDGE, . .	43,919	44,700	46	48	94	90	4	26	33	24	57	2	4	59
DUNFERMLINE, . .	39,899	37,900	22	24	46	44	2	20	23	20	43	10	5	38
KIRKCALDY, . .	39,591	39,400	44	31	75	70	5	21	17	11	28	1	10	37
HAMILTON, . .	39,504	40,800	42	42	84	76	8	14	17	14	31	1	8	38
KILMARNOCK, . .	35,969	38,400	28	26	54	51	3	30	27	25	52	8	5	49
AYR, . . .	35,763	37,500	24	34	58	53	5	20	25	22	47	8	2	41
FALKIRK, . . .	34,419	35,600	41	28	69	67	2	25	23	17	40	7	4	37
PERTH, . . .	33,208	32,100	32	24	56	53	3	43	18	16	34	13	3	24
TOTAL . . . (SIXTEEN TOWNS)	2,382,772	2,425,800	2204	2109	4313	4038	275	1926	1664	1560	3224	343	165	3046

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, APRIL 1930.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases.	Number.	* Rate per 1000 Births.
				Regis-tered.	Corr. for Trans-fers.						
GLASGOW, . .	22·8	6·6	10·9	17·2	16·1	1·1	1·3	0·9	3·7	208	111
EDINBURGH, . .	18·3	6·2	8·9	16·9	14·7	0·9	1·1	0·7	2·2	50	83
DUNDEE, . .	22·4	6·5	12·0	21·3	20·3	2·8	0·9	0·7	4·0	42	148
ABERDEEN, . .	20·8	8·5	9·3	14·1	14·3	0·5	1·2	0·8	2·2	30	118
PAISLEY, . .	20·1	4·8	7·8	15·2	14·4	1·7	1·9	1·5	2·4	11	75
GREENOCK, . .	23·3	2·5	7·6	14·4	13·8	2·7	0·4	0·3	2·2	17	116
MOTHERWELL AND WISHAW, .	22·1	10·1	4·3	12·0	13·0	1·5	0·2	0·2	3·6	16	131
CLYDEBANK, . .	26·2	2·8	8·4	6·2	10·9	1·5	1·0	0·7	1·7	12	143
COATBRIDGE, . .	25·6	4·3	7·1	15·5	16·1	1·1	2·5	1·4	4·1	4	44
DUNFERMLINE, . .	14·8	4·3	6·4	13·8	12·2	0·0	1·3	0·6	3·2	2	42
KIRKCALDY, . .	23·1	6·7	6·5	8·6	11·4	0·0	0·9	0·6	0·6	2	35
HAMILTON, . .	25·0	9·5	4·2	9·2	11·3	0·3	0·9	0·6	2·7	4	51
KILMARNOCK, . .	17·1	5·6	9·5	16·5	15·5	0·9	1·3	0·6	2·2	8	131
AYR, . . .	18·8	8·6	6·5	15·3	13·3	0·6	1·3	1·0	2·6	3	54
FALKIRK, . . .	23·6	2·9	8·6	13·7	12·7	0·7	1·4	1·0	3·1	3	53
PERTH, . . .	21·2	5·4	16·3	12·9	9·1	0·0	0·0	0·0	1·1	0	0
TOTAL . . . (SIXTEEN TOWNS)	21·6	6·4	9·7	16·2	15·3	1·1	1·2	0·8	3·1	412	103

\* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR APRIL 1930, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								* Infantile Mortality Rate.	Mean Temperature, Seven Towns only).
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Diarrhoea (Under 2 Years).			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
APR. 1930 .	21·6	6·4	9·7	15·3	1	0	106	5	63	23	31	103	45°·5	
APR. 1929 .	22·5	6·4	10·3	14·6	0	0	2	7	60	23	22	96	42°·8	
APR. 1928 .	22·7	5·7	9·6	16·1	1	0	107	10	104	38	36	116	45°·3	
APR. 1927 .	22·2	5·6	8·2	14·6	2	0	19	6	63	15	32	101	44°·4	
APR. 1926 .	24·8	6·0	8·4	19·4	2	0	138	25	59	41	33	123	47°·0	
APR. 1925 .	24·0	6·5	9·2	15·0	2	0	30	22	151	19	33	109	43°·5	
APR. 1924 .	23·8	6·5	8·8	17·8	1	0	150	21	135	18	41	130	43°·7	
APR. 1923 .	26·4	6·2	11·2	14·5	3	0	66	26	81	31	30	92	42°·9	
APR. 1922 .	26·2	7·0	9·5	18·1	1	0	505	8	83	27	33	135	41°·0	
APR. 1921 .	29·7	6·3	10·6	15·5	1	0	25	16	167	23	44	99	46°·0	
APR. 1920 .	34·5	6·9	13·3	19·7	4	6	128	9	37	40	45	148	44°·0	

Figures in columns 5-13 have been corrected for non-resident deaths.

\* Per 1000 of the average number of births registered monthly during the past 12 months.

### AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—April 1930.

CAUSES OF DEATH.	Total.	Males.	Females.	Age.											
				-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over.
Enteric Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Typhus Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Small-pox	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Measles	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scarlet Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Whooping-cough	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diphtheria	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Influenza	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Encephalitis Lethargica	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cerebro-spinal Meningitis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Epidemic Diseases	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tuberculosis of Respiratory System	156	79	77	—	—	—	—	—	—	—	—	—	—	—	—
Tuberculous Meningitis	39	13	26	2	18	14	1	4	2	1	1	6	8	1	2
Tuberculosis of Intestines and Peritoneum	11	6	5	1	2	1	1	2	3	1	1	1	1	1	1
Other Tuberculous Disease	26	13	13	4	7	1	1	1	2	4	2	3	1	1	1
Malignant Tumours	285	138	147	—	—	—	—	—	—	18	42	75	101	37	4
Rheumatic Fever	12	4	8	—	—	2	1	1	3	2	2	2	1	1	1
Meningitis (not Cer.-spin. or Tuberc.)	18	12	6	6	3	2	1	2	2	—	—	2	—	—	—
Apoplexy	260	110	150	—	—	—	—	1	1	3	2	3	18	57	95
Heart Disease	353	169	184	—	1	2	3	11	4	22	31	75	124	61	19
Diseases of Arteries	41	23	18	—	—	—	—	—	—	—	2	4	16	15	4
Bronchitis	206	104	102	12	8	1	—	3	1	7	21	41	57	46	9
Pneumonia (all forms)	366	215	151	88	54	7	3	12	23	31	33	54	27	23	11
Other Diseases of Respiratory System	42	29	22	8	1	1	1	—	—	1	6	11	4	6	3
Diarrhoea and Enteritis (under 2 years)	31	18	13	26	5	—	—	—	—	—	—	—	—	—	—
Appendicitis	19	7	12	—	3	3	1	2	3	2	3	—	1	1	—
All Diseases of Liver (not Malignant)	16	4	12	—	—	—	—	—	—	1	2	3	4	6	—
Nephritis, Acute and Chronic	92	43	49	—	1	—	—	1	2	7	9	18	20	22	12
Puerperal Sepsis	12	—	12	—	—	—	—	—	2	8	2	—	—	—	—
Other Dis. & Accidents of Preg. & Part.	23	—	23	—	—	—	—	—	3	13	7	—	—	—	—
Diseases of Early Infancy and Malform.	137	77	60	133	1	—	—	—	—	—	—	—	—	—	—
Suicide	24	15	9	—	—	—	—	3	6	4	4	7	—	—	—
Other Violent Deaths	—	—	—	*108	83	25	4	10	15	5	8	7	11	20	13
Other Defined Diseases	—	—	—	450	237	213	41	13	10	10	8	19	38	37	59
Causes Ill-defined or Unknown	—	—	—	34	18	16	—	1	1	—	—	3	5	6	15
	3046	1554	1492	412	256	75	36	111	147	189	289	457	575	398	100

\* Including 1 of unstated age.

## DEATHS IN EACH TOWN (corrected for Transfers)—April 1930.

CAUSES OF DEATH.			Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
Enteric Fever	...	...	1	1	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...	...	...
Measles	...	...	106	40	11	26	...	2	11	6	4
Scarlet Fever	...	...	5	2	...	...	...	1	1	...	...
Whooping-cough	...	...	63	26	10	8	2	8	5	3	...
Diphtheria	...	...	23	11	5	1	2	1	...	...	1
Influenza	...	...	43	24	5	3	...	2	2	2	...
Encephalitis Lethargica	...	...	5	3	2	...	...	...	...	...	...
Cerebro-spinal Meningitis	...	...	20	11	4	1	...	2	...	...	...
Other Epidemic Diseases	...	...	19	9	3	1	4	1	...	...	...
Tuberculosis of Respiratory System	...	156	76	25	9	10	11	2	1	3	3
Tuberculous Meningitis	...	39	25	4	1	3	1	...	...	...	...
Tuber. of Intestines and Peritoneum	...	11	4	2	2	...	1	...	...	...	...
Other Tuberculous Disease	...	26	9	6	...	3	1	1	...	1	1
Malignant Tumours	...	285	120	55	28	16	14	6	4	3	3
Rheumatic Fever	...	12	7	3	...	2	...	...	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	18	7	4	1	1	...	...	1	...	...	...
Apoplexy	...	260	109	50	22	22	9	10	8	5	5
Heart Disease	...	353	160	70	37	25	9	4	6	2	2
Diseases of Arteries	...	41	11	9	5	8	1	...	...	...	...
Bronchitis	...	206	114	29	20	10	4	3	7	2	2
Pneumonia (all forms)	...	366	197	41	34	16	10	10	14	4	4
Other Diseases of Respiratory System	42	19	7	1	3	3	...	2	...	1	1
Diarrhoea and Enteritis (under 2 years)	31	17	5	3	2	...	...	1	...	...	1
Appendicitis	...	19	10	2	1	...	...	1	1	1	...
All Diseases of Liver (not Malignant)	16	7	1	...	2	2	1	1	1	...	...
Nephritis, Acute and Chronic	...	92	35	24	10	4	1	2	4	1	1
Puerperal Sepsis	...	12	4	5	...	...	1	...	1	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	23	12	6	3	1	...	1	...	...	...
Dis. of Early Infancy and Malformations	137	74	22	10	8	2	4	4	4	3	3
Suicide	...	24	9	5	2	5	...	...	...	...	1
Other Violent Deaths	...	108	55	16	8	5	5	2	1	3	3
Other Defined Diseases	...	450	196	85	40	31	11	21	12	9	9
Causes Ill-defined or Unknown	...	34	19	1	2	2	1	2	1	1	...
All Causes	...	3046	1423	517	279	187	104	93	76	44	
AGE AT DEATH.											
Under 1	...	412	208	50	42	30	11	17	16	12	
1- 4	...	256	114	37	27	12	12	17	9	3	
5- 9	...	75	39	10	4	3	5	4	4	1	
10-14	...	36	23	7	3	...	1	...	...	...	
15-24	...	111	53	15	7	7	3	5	1	4	
25-34	...	147	70	29	13	6	6	3	3	2	
35-44	...	189	92	30	13	5	7	9	3	2	
45-54	...	289	134	47	22	19	15	8	10	6	
55-64	...	457	225	93	41	23	9	7	7	6	
65-74	...	575	263	102	59	32	21	9	13	13	
75-84	...	398	164	70	40	40	11	13	9	5	
85 and over	...	100	37	27	8	10	3	1	1	...	
Not stated	...	1	1	...	...	...	...	...	...	...	
All Ages	...	3046	1423	517	279	187	104	93	76	44	

## DEATHS IN EACH TOWN (corrected for Transfers)—April 1930—continued.

## CAUSES OF DEATH.

		Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
Enteric Fever	...	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...
Measles	...	2	...	...	1	1	...	2	...
Scarlet Fever	...	1	...	...	...	...	...	...	...
Whooping-cough	...	...	...	...	...	1	...	...	...
Diphtheria	...	...	...	1	2	2	2	...	...
Influenza	...	...	...	1	...	...	...	...	...
Encephalitis Lethargica	...	...	...	...	...	...	...	...	...
Cerebro-spinal Meningitis	...	1	...	...	...	...	1	...	...
Other Epidemic Diseases	...	...	...	...	...	1	...	...	...
Tuberculosis of Respiratory System	5	2	2	2	2	2	3	3	3
Tuberculous Meningitis	3	...	...	1	...	...	1	1	1
Tuber. of Intestines and Peritoneum	...	...	...	1	...	1	...	...	...
Other Tuberculous Disease	1	2	2	7	1	1	...	...	...
Malignant Tumours	6	4	7	6	2	6	6	8	...
Rheumatic Fever	...	...	...	...	...	...	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	...	...	...	...	1	...	3	...	...
Apoplexy	2	...	8	3	3	4	1	...	7
Heart Disease	10	5	5	3	3	5	4	4	4
Diseases of Arteries	...	1	1	2	3	3	...	...	...
Bronchitis	5	3	1	3	...	...	2	3	...
Pneumonia (all forms)	9	7	1	6	6	6	5	5	1
Other Diseases of Respiratory System	1	...	...	...	...	1	1	1	2
Diarrhoea and Entiritis (under 2 years)	1	...	...	...	...	1	...	...	...
Appendicitis	1	1	...	...	...	...	1	1	...
All Diseases of Liver (not Malignant)	...	1	...	...	...	1	...	...	...
Nephritis, Acute and Chronic	2	1	3	1	1	1	3	...	...
Puerperal Sepsis	1	...	...	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	...	...	...	...	...	...	...	...
Dis. of Early Infancy and Malformations	1	1	1	2	1	2	2	2	...
Suicide	...	...	...	...	...	2	...	...	...
Other Violent Deaths	2	2	3	1	3	...	1	1	1
Other Defined Diseases	5	6	3	4	9	4	5	5	9
Causes Ill-defined or Unknown	1	1	...	...	1	2	1	...	...
All Causes	...	59	38	37	38	49	41	37	24
AGE AT DEATH.									
Under 1	...	4	2	2	4	8	3	3	...
1-4	...	8	2	1	3	3	3	5	...
5-9	...	1	...	...	1	1	1	1	...
10-14	...	...	...	...	...	...	2	...	...
15-24	...	3	2	1	2	1	4	2	1
25-34	...	6	1	...	1	3	1	2	1
35-44	...	4	2	4	2	7	4	4	1
45-54	...	3	2	5	5	7	3	2	1
55-64	...	9	7	6	5	5	4	6	4
65-74	...	14	10	10	7	7	8	7	10
75-84	...	6	9	7	5	4	6	4	5
85 and over	...	1	1	1	3	3	2	1	1
Not stated	...	...	...	...	...	...	...	...	...
All Ages	...	59	38	37	38	49	41	37	24

## ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,  
During the Month of APRIL 1930.

OBSERVERS.	AIR PRESSURE at 9 A.M. and 9 P.M.			AIR TEMPERATURE.			HYGROMETER.			RAIN, AND OTHER FORMS OF PRE- CIPITATION.			WIND DIRECTIONS										
				Absolute Maximum and Minimum.			Mean at 9 A.M. and 9 P.M.			Number of Days.			Number of Observations at 9 A.M. and 9 P.M.										
	Mean of at Sea-Level and 32°.	Mean at Station-level and 32°.	Height of Barometer above Sea-level.	Mean of A and B (Mean Tem- perature).	Minimum (B.)	Maximum (A.)	Day of Month.	Day of Month.	Depression of Wet Bulb.	Dry Bulb.	Vapour Pressure.	Humidity.	Total Fall.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	
GLASGOW, Professor J. R. CURRIE, M.D., The University.	139	29.673	29.827	52.3	41.1	46.7	+1.7	63	30th	33	6th	46.1	3.6	*	*	*	*	*	*	*	*	4	
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29.372	29.862	48.8	39.2	44.0	+0.2	68	24th	33	5, 6	43.3	2.3	*.226	81	20	1.17	-0.21	7	12	7	2	2
DUNDEE, A. MACRAE, Curator of Cemeteries.	164	29.648	29.830	50.3	38.5	44.4	+0.3	57	22nd	31	5th	43.1	1.9	*.233	84	16	2.23	+0.53	0	14	0	26	6
ABERDEEN,* The Meteorological Office.	85	29.736	29.838	48.2	39.9	44.1	+0.4	56	11th	33	5, 13	43.3	1.9	*.240	85	21	3.09	+1.22	15	5	7	5	7
PAISLEY, The Coats Observatory.	107	29.727	29.847	54.0	40.3	47.1	+0.9	64	30th	32	5, 6	45.7	2.8	*.248	78	12	1.16	-1.16	5	12	12	5	8
GREENOCK,† J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	233	29.586	29.846	51.8	40.7	46.3	+1.7	61	30th	33	5th	44.9	3.1	*.226	75	12	2.53	-1.11	3	11	17	3	3
PERTH,† J. RITCHIE, The Museum.	22	29.806	29.830	53.0	39.4	46.2	+1.7	62	10, 30	27	5th	45.9	3.1	*.236	76	14	1.29	-0.49	7	13	2	14	0
Means . .	170	29.650	29.840	51.2	39.9	45.5	+1.0	..	..	..	44.6	2.7	*.233	79	15	1.79	-0.32	6	11	9	4	7	

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North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 56° 55'; Paisley, 57° 9'; Greenock, 55° 57'; Perth, 56° 28'; Mean, 56° 14'.  
West Longitude.—Glasgow, 4° 17'; Edinburgh, 2° 57'; Dundee, 3° 11'; Aberdeen, 2° 27'; Paisley, 3° 27'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 36'.

\* At 7 A.M. and 6 P.M.  
† At 9 A.M. only.

For Official Use.

## MONTHLY RETURN

OF THE

# Births, Deaths, and Marriages

IN

## Sixteen of the Principal Towns of Scotland

MAY 1930.

*Published by Authority of the Registrar-General.*

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## REPORT

During the month of May 1930 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 4531 living children, of whom 2280 were males, and 2251 were females. Compared with the number in the previous month, that of male children is 76 more and that of female children 142 more, the total number of children registered being 218 more.

The monthly birth-rate in these towns taken collectively was 22·0 per thousand. This rate is 0·4 above that for the previous month, but is equal to the May average.

In the individual towns the monthly birth-rate averaged 21·8, and varied from 25·4 in Greenock, 24·8 in Coatbridge and in Falkirk, and 24·5 in Kilmarnock, to 17·4 in Dunfermline, 17·6 in Ayr, 18·2 in Edinburgh, and 19·8 in Clydebank. In Paisley it was 23·6, in Aberdeen 23·4, in Hamilton 23·3, in Glasgow 23·2, in Dundee 22·1, in Motherwell and Wishaw and in Kirkcaldy 20·3, and in Perth 20·2.

Of the 4531 children whose births were registered during the month, 4236, or 93·5 per cent., were legitimate, while 295, or 6·5 per cent., were illegitimate. The legitimate children numbered 198 more than in the previous month, and the illegitimate children 20 more. The illegitimate rate for the month is 0·1 more than in the previous month. In the individual towns the illegitimate rate for the month varied from 9·2 in Dundee, 8·6 in Hamilton, 8·5 in Coatbridge, and 8·0 in Falkirk, to 1·8 in Dunfermline, 2·4 in Clydebank, 4·7 in Edinburgh, and 4·9 in Motherwell and Wishaw. In Glasgow this rate was 6·5 per cent., and in Aberdeen 7·9.

Marriages registered in these towns during the month numbered 669, and equalled a marriage-rate of 3·2 per thousand. This number is 1257 less than the previous month. This rate is 6·5 less than in the previous month, and 0·5 below the May average. In the individual towns the monthly marriage-rate averaged 2·7, and varied from 4·7 in Aberdeen, 3·7 in Dundee and in Perth, 3·5 in Glasgow, and 3·4 in

*NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the three preceding years.*

Edinburgh, to 1·2 in Kirkcaldy, 1·7 in Paisley and in Greenock, and 1·8 in Kilmarnock.

Deaths registered in these towns during the month numbered 3091, and are 133 fewer than were registered in April. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 2897, and to include the deaths of 1487 males and of 1410 females. The corrected number is 149 fewer than in the previous month, deaths of males being 67 fewer, and of females 82 fewer.

The monthly death-rate in these towns taken collectively and based on the corrected number of deaths was 14·1 per thousand, which rate is 1·2 below that of the previous month, but 0·4 above the May average. In the individual towns the monthly death-rate averaged 13·4, and varied from 18·3 in Dundee, 16·1 in Greenock, and 15·9 in Kilmarnock, to 10·5 in Clydebank, 11·5 in Motherwell and Wishaw, and 11·6 in Falkirk. In Glasgow this rate was 14·1, in Edinburgh 14·0, in Aberdeen and in Dunfermline 13·3, in Ayr 13·2, in Perth 12·8, in Hamilton 12·7, in Paisley 12·6, in Coatbridge 12·4, and in Kirkcaldy 12·2.

Deaths of children of less than one year old numbered 380, and equalled an infantile mortality rate of 91 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths numbered 32 fewer than in the previous month. The infantile mortality rate is 12 less than in the previous month but is equal to the May average. In the individual towns the infantile mortality rate averaged 80 and ranged from 163 in Dundee, 125 in Perth, 118 in Greenock, and 108 in Kilmarnock, to 0 in Dunfermline, 17 in Ayr, 51 in Kirkcaldy, and 57 in Aberdeen. In Glasgow this rate was 93, in Edinburgh 91, in Hamilton 85, in Falkirk 82, in Paisley 79, in Coatbridge 76, in Clydebank 70, and in Motherwell and Wishaw 65.

Deaths from the principal epidemic diseases numbered 199, and equalled a death-rate from these causes of 1·0 per thousand. These deaths numbered 30 fewer than in the previous month, but 35 more than the May average. They included 82 from measles, of which 38 were registered in Edinburgh, 7 from scarlet fever, 64 from whooping-cough, 22 from diphtheria, and 24 from the diarrhoeas of childhood. No death was registered from enteric fever. Compared with the numbers in the previous month, deaths from scarlet fever are 2 more, and from whooping-cough 1 more, but those from enteric fever and diphtheria are each 1 fewer, from the diarrhoeas of childhood 7 fewer, and from measles 24 fewer. In addition to the above, one death from typhus fever was registered in Glasgow. This is the first death from typhus fever in Scotland since September 1927.

Deaths attributed to influenza either as a sole cause or along with other stated cause numbered 27. In January these deaths numbered 26, in February 42, in March 57, and in April 43.

Deaths attributed to respiratory diseases other than phthisis, but exclusive of those associated with influenza, in all numbered 489, and equalled a death-rate of 2·4 per thousand. These deaths numbered 125 fewer than in the previous month. This death-rate is 0·7 below that for the previous month, but is equal to the May average.

Deaths from all forms of tuberculous disease numbered 255, of which 167 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month the former number is 23 more and the latter 11 more, and compared with the average for May the former number is 17 more but the latter 1 fewer.

## METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

MAY 1930.

Mean barometric pressure, 29.924 in.; less than the average of 1881-1915 by 0.024 in.

Mean temperature,  $49^{\circ}6$ ; normal.

Mean daily range of temperature,  $14^{\circ}2$ ; less by  $0^{\circ}8$ .

Rain, depth in inches, 1.59; less by 0.85 in.

Wind, direction of: a slight excess of south-easterly winds.

Quiet anticyclonic conditions were experienced during the first few days of the month, but thereafter the weather was chiefly dominated by a rather persistent low pressure system which developed over Europe. The passage eastwards of a deep depression to the northwards of Scotland between the 17th and 19th gave rise to local gales and generally the wettest period of the month. The mean barometric pressure was below the normal, while at Edinburgh at mean sea level the extremes of pressure were 30.36 in. on the 23rd and 29.50 in. on 10th.

The mean temperature was just equal to the normal, the mean daily range, however, being somewhat less than normal. Ground frosts were fairly widespread during the first few days and in the 2nd and 3rd weeks, while the lowest screen minima were reported between the 1st and 9th.  $23^{\circ}$  F. was registered in the screen at West Linton on the 1st, and on the grass at Thorntonhall on the 8th. The warmest day was the 26th, on which day several stations reported temperatures in and around  $70^{\circ}$  F., the highest being  $73^{\circ}$  F. at Paisley.

In parts of western and northern Scotland the rainfall was above the average, but generally there was a deficiency; over a large area of eastern Scotland this deficiency was between 50 and 60 per cent. Most of the rain fell between 8th and 20th, and of this the wettest period centred around the 17th and 18th. On the 17th 2.74 in. fell at Ardnadam, 2.50 in. at Kinlochquoich, 2.33 in. at Glenquoich and 2.22 in. at North Ballachulish, while on the 18th there were 3.10 in. at Kinlochquoich. At Garelochhead, where the total for the month was 4.16 in., 2.15 fell on 17th.

Apart from the gales around the 18th winds were on the whole moderate. Fog was reported locally between 1st and 3rd, 9th and 11th, on 15th and between 24th and 27th, that on 1st being particularly dense and rather widespread on the east coast.

Snow, sleet or hail fell in many districts between the 6th and 11th, and at a few places on the 18th.

Thunderstorms occurred on 10 days, namely on 9th, 11th, 12th, 14th-18th, 26th and 31st, those of the 9th and 14th being rather widespread over eastern and southern Scotland, while those of 26th were perhaps more general.

Aurora was reported as having been observed at Wick on the 1st.

As in the previous month the sunshine aggregates in the west and north-west were generally above the normal, while in eastern and north-eastern districts there was less than the usual May figure. Edinburgh with 173 hours enjoyed the normal figure, while Aberdeen with 176 hours was 11 hours short, and Stornoway with 218 hours had an excess of 27 hours.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 40.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, MAY 1930.

TOWNS.	POPULATION		BIRTHS.				MARRIAGES.	DEATHS.						
	Census 1921.	Estimated to middle of 1930.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.	REGISTERED		TRANSFERS				
								Males.	Females.	Total.	Out.	In.		
GLASGOW, . . .	1,051,518	1,076,100	1054	1063	2117	1980	137	319	767	651	1418	167	42	1293
EDINBURGH, . . .	420,264	427,500	302	359	661	630	31	124	294	293	587	96	17	508
DUNDEE, . . .	168,315	167,000	159	155	314	285	29	52	108	160	268	12	3	259
ABERDEEN, . . .	158,963	158,800	166	150	316	291	25	63	74	93	167	29	41	179
PAISLEY, . . .	84,837	87,900	92	84	176	163	13	13	51	44	95	8	7	94
GREENOCK, . . .	81,133	81,900	98	79	177	165	12	12	64	48	112	4	4	112
MOTHERWELL AND WISHAW, . .	68,869	70,900	67	55	122	116	6	13	37	23	60	0	9	69
CLYDEBANK, . . .	46,601	49,300	43	40	83	81	2	12	6	16	22	0	22	44
COATBRIDGE, . . .	43,918	44,700	57	37	94	86	8	10	19	20	39	1	9	47
DUNFERMLINE, . .	39,899	37,900	31	25	56	55	1	8	23	25	48	7	2	43
KIRKCALDY, . . .	39,591	39,400	33	35	68	64	4	4	21	20	41	7	7	41
HAMILTON, . . .	39,504	40,800	40	41	81	74	7	9	19	17	36	1	9	44
KILMARNOCK, . . .	35,869	38,400	50	30	80	74	6	6	23	29	57	9	4	52
AYR, . . . .	35,763	37,500	26	30	53	52	4	7	26	29	55	18	5	42
FALKIRK, . . . .	34,419	35,600	40	35	75	69	6	7	25	14	39	8	4	35
PERTH, . . . .	33,208	32,100	22	33	55	51	4	10	25	22	47	13	1	35
TOTAL . . . . (SIXTEEN TOWNS)	2,382,772	2,425,800	2280	2251	4531	4236	295	669	1537	1504	3091	380	186	2897

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, MAY 1930.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 OF POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.			
				All Causes.		Regis- tered.	Corr. for Trans- fers.	Princi- pal Epidemic Diseases.	All Tuber- culosis.	Tuber- culosis of Respiratory System.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Regis- tered.	Corr. for Trans- fers.								
GLASGOW, . . .	23·2	6·5	3·5	15·5	14·1	0·7	1·3	0·8	2·8	180		93	
EDINBURGH, . . .	18·2	4·7	3·4	16·2	14·0	1·7	1·2	1·0	1·6	57		91	
DUNDEE, . . .	22·1	9·2	3·7	18·9	18·3	1·3	1·6	1·1	3·2	48		163	
ABERDEEN, . . .	23·4	7·9	4·7	12·4	13·3	0·1	0·7	0·5	1·6	15		57	
PAISLEY, . . .	23·6	7·4	1·7	12·7	12·6	2·4	1·7	0·8	1·7	12		79	
GREENOCK, . . .	25·4	6·8	1·7	16·1	16·1	1·9	2·2	1·3	2·3	18		18	
MOTHERWELL AND WISHAW, . .	20·3	4·9	2·2	10·0	11·5	1·0	1·0	0·7	2·7	8		65	
CLYDEBANK, . . .	19·8	2·4	2·9	5·3	10·5	0·2	1·4	1·0	3·3	6		70	
COATBRIDGE, . . .	24·8	8·5	2·6	10·3	12·4	0·5	1·3	1·1	1·6	7		76	
DUNFERMLINE	17·4	1·8	2·5	14·9	13·3	0·6	0·6	0·3	2·2	0		0	
KIRKCALDY, . . .	20·3	5·9	1·2	12·2	12·2	0·0	0·9	0·6	1·8	3		51	
HAMILTON, . . .	23·3	8·6	2·6	10·4	12·7	0·6	2·0	0·9	2·3	7		85	
KILMARNOCK,	24·5	7·5	1·8	17·5	15·9	0·9	0·6	0·3	2·5	7		108	
AYR, . . . .	17·6	7·1	2·2	17·3	13·2	0·6	0·3	0·3	1·6	1		17	
FALKIRK, . . .	24·8	8·0	2·3	12·9	11·6	0·0	0·3	0·0	1·3	5		82	
PERTH, . . . .	20·2	7·3	3·7	17·2	12·8	0·0	0·4	0·4	2·2	6		125	
TOTAL . . . . (SIXTEEN TOWNS)	22·0	6·5	3·2	15·0	14·1	1·0	1·2	0·8	2·4	380		91	

\* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR MAY 1930, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM									*Infantile Mortality Rate.	Mean Temperature Seven Towns only).
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Diarrhoea (Under 2 Years).	(13)	(14)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)		
MAY 1930 .	22.0	6.5	3.2	14.1	0	0	82	7	64	22	24	91	49°.6		
MAY 1929, ..	21.6	7.5	3.4	13.7	1	0	1	4	51	22	23	94	50°.5		
MAY 1928, .	22.4	6.7	3.3	14.1	1	0	83	5	109	15	29	95	49°.6		
MAY 1927, .	22.1	6.7	4.5	13.3	1	0	18	6	71	12	35	85	48°.4		
MAY 1926 .	22.4	5.9	4.2	14.1	0	0	66	17	26	21	27	81	48°.3		
MAY 1925, .	23.0	6.6	3.4	12.7	1	0	29	11	156	23	36	90	50°.2		
MAY 1924 .	24.4	6.4	3.3	14.1	0	0	119	24	98	29	34	94	48°.2		
MAY 1923 .	25.6	6.9	4.0	14.2	2	0	56	12	85	15	33	93	46°.7		
MAY 1922 .	27.1	6.8	5.1	16.0	3	0	388	12	82	16	52	111	51°.3		
MAY 1921, .	30.0	6.8	6.1	13.8	0	0	21	11	134	33	39	91	51°.0		
MAY 1920, .	31.7	7.9	7.5	17.0	2	22	102	10	31	27	53	121	50°.6		

Figures in columns 5-13 have been corrected for non-resident deaths.

\* Per 1000 of the average number of births registered monthly during the past 12 months.

#### AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS - May 1930.

CAUSES OF DEATH.	Total.	Males.	Females.	Age.												
				-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over	
Enteric Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Phthisis	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	
Small-pox	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Smeasles	-	-	-	-	82	43	39	24	53	4	1	-	-	-	-	
Scarlet Fever	-	-	-	-	7	7	-	-	4	2	1	-	-	-	-	
Measles	-	-	-	-	7	7	-	-	4	2	1	-	-	-	-	
Measles	-	-	-	-	64	31	33	27	34	3	-	-	-	-	-	
Measles	-	-	-	-	22	12	10	1	16	5	-	-	-	-	-	
Measles	-	-	-	-	27	16	11	-	1	-	-	1	1	6	8	
Measles	-	-	-	-	8	5	3	-	1	-	-	3	1	5	4	
Measles	-	-	-	-	21	12	9	6	9	2	-	-	2	1	1	
Measles	-	-	-	-	10	3	7	3	-	-	-	2	2	1	1	
Tuberculosis of Respiratory System	-	-	-	-	167	79	83	1	1	5	3	47	30	34	24	16
Tuberculosis of Meningitis	-	-	-	-	38	22	16	2	12	8	6	4	2	2	1	2
Tuberculosis of Intestines and Peritoneum	-	-	-	-	19	11	8	1	5	2	2	6	1	1	-	-
Her Tuberculous Disease	-	-	-	-	31	20	11	6	3	4	1	5	5	3	2	2
Malignant Tumours	-	-	-	-	291	143	148	-	-	-	1	1	17	59	97	77
Pneumatic Fever	-	-	-	-	6	5	1	-	-	1	-	-	-	1	-	1
Meningitis (not Cer.-spin. or Tuberc.)	-	-	-	-	14	9	5	5	4	-	2	-	2	-	-	-
Croup	-	-	-	-	241	110	131	1	1	-	-	6	20	54	88	64
Heart Disease	-	-	-	-	371	169	202	-	1	2	2	6	18	21	37	77
Seas of Arteries	-	-	-	-	21	20	11	-	-	-	-	-	-	3	4	10
Coughitis	-	-	-	-	156	76	80	17	5	1	1	-	11	14	16	49
Pneumonia (all forms)	-	-	-	-	304	185	119	60	53	2	2	11	23	21	32	41
Her Diseases of Respiratory System	-	-	-	-	29	16	13	1	1	1	-	1	2	4	6	3
Arrhœa and Enteritis (under 2 years)	-	-	-	-	24	13	11	18	6	-	-	-	-	-	-	-
Appendicitis	-	-	-	-	17	8	9	-	-	3	2	-	5	3	3	-
All Diseases of Liver (not Malignant)	-	-	-	-	25	8	17	-	-	1	-	-	2	1	7	4
Nephritis, Acute and Chronic	-	-	-	-	78	41	37	-	2	1	-	5	3	5	10	24
Herperal Sepsis	-	-	-	-	9	-	9	-	-	-	2	5	2	-	-	-
Her Dis. & Accidents of Preg. & Part.	-	-	-	-	10	-	10	-	-	-	-	4	1	-	-	-
Seas of Early Infancy and Malform.	-	-	-	-	167	93	74	165	1	-	-	-	-	-	-	-
Incide	-	-	-	-	27	18	9	-	-	-	3	2	5	11	4	2
Her Violent Deaths	-	-	-	-	122	80	42	2	12	12	2	15	5	12	21	13
Her Defined Diseases	-	-	-	-	437	206	231	35	9	8	8	14	13	24	41	55
Uses Ill-defined or Unknown	-	-	-	-	41	25	16	4	2	1	1	-	3	2	3	11
	2897	1487	1410	380	235	69	34	125	122	187	300	422	541	384	98	

## DEATHS IN EACH TOWN (corrected for Transfers)—May 1930.

CAUSES OF DEATH.												
			Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.	
Enteric Fever	...	...	...	...	...	...	...	...	...	...	...	
Typhus Fever	...	...	1	1	...	...	...	...	...	...	...	
Small-pox	...	...	...	...	...	...	...	...	...	...	...	
Measles	...	...	82	15	38	11	...	6	6	2	...	
Scarlet Fever	...	...	7	2	1	...	...	3	1	1	...	
Whooping-cough	...	...	64	26	14	6	1	7	3	2	1	
Diphtheria	...	...	22	11	8	...	...	2	1	...	...	
Influenza	...	...	27	18	3	...	...	1	1	1	...	
Encephalitis Lethargica	...	...	8	2	...	1	...	...	1	1	1	
Cerebro-spinal Meningitis	...	...	21	13	4	...	1	1	1	1	1	
Other Epidemic Diseases	...	...	10	3	4	1	2	...	...	...	...	
Tuberculosis of Respiratory System	...	167	73	35	16	7	6	9	4	4	...	
Tuberculous Meningitis	...	38	20	5	2	2	1	3	1	...	...	
Tuber. of Intestines and Peritoneum	...	19	5	3	2	...	1	3	1	1	1	
Other Tuberculous Disease	...	31	18	1	3	1	5	...	...	...	1	
Malignant Tumours	...	291	125	57	30	20	8	7	5	2	...	
Rheumatic Fever	...	6	3	...	...	...	...	1	1	...	1	
Meningitis(not Cerebro-spinal or Tuber.)	...	14	5	1	...	...	...	2	1	1	...	
Apoplexy	...	241	96	41	19	24	10	10	5	3	...	
Heart Disease	...	371	148	74	37	38	7	8	9	4	...	
Diseases of Arteries	...	31	12	4	1	7	1	1	1	...	...	
Bronchitis	...	156	81	15	15	7	2	6	7	5	...	
Pneumonia (all forms)	...	304	160	40	27	14	11	8	9	6	...	
Other Diseases of Respiratory System	...	29	13	4	3	1	...	2	...	3	...	
Diarrhoea and Enteritis (under 2 years)	...	24	14	...	2	1	2	2	1	...	...	
Appendicitis	...	17	5	4	...	1	...	1	1	...	2	
All Diseases of Liver (not Malignant)	...	25	11	4	1	2	2	1	1	...	...	
Nephritis, Acute and Chronic	...	78	29	19	6	6	2	3	1	...	...	
Puerperal Sepsis	...	9	7	...	...	...	...	...	...	...	...	
Other Diseases and Accidents of Pregnancy and Parturition	...	10	4	2	1	...	...	...	...	...	...	
Dis. of Early Infancy and Malformations	...	167	71	27	25	6	4	11	3	2	...	
Suicide	...	27	9	5	2	2	2	1	1	1	...	
Other Violent Deaths	...	122	65	21	8	6	1	2	4	2	...	
Other Defined Diseases	...	437	194	73	40	29	11	16	8	5	...	
Causes Ill-defined or Unknown	...	41	34	1	...	1	...	2	1	...	...	
All Causes	...	2897	1293	508	259	179	94	112	69	44	...	
AGE AT DEATH.												
Under 1	...	380	180	57	48	15	12	18	8	6	...	
1-4	...	235	97	58	19	9	15	13	5	5	...	
5-9	...	69	32	12	7	2	5	1	2	...	...	
10-14	...	34	16	2	2	1	2	1	1	1	2	
15-24	...	125	60	25	10	5	4	7	3	3	...	
25-34	...	122	54	18	7	6	3	8	5	3	...	
35-44	...	187	90	29	16	11	5	6	6	2	...	
45-54	...	300	139	52	22	20	12	8	10	4	...	
55-64	...	422	192	67	32	28	8	25	5	5	...	
65-74	...	541	255	82	50	34	13	10	14	8	...	
75-84	...	384	146	86	37	34	12	13	10	5	...	
85 and over	...	98	32	20	9	14	3	2	10	5	...	
Not stated	...	...	...	...	...	...	...	...	...	...	...	
All Ages	...	2897	1293	508	259	179	94	112	69	44	...	

DEATHS IN EACH TOWN (corrected for Transfers)—May 1930—*continued.*

## CAUSES OF DEATH.

		Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
Enteric Fever	...	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	1	...	...	...	...	...
Measles	...	...	...	...	1	1	1	1	...
Scarlet Fever	...	...	...	...	...	...	...	...	...
Whooping-cough	...	1	1	...	...	1	1	...	...
Diphtheria	...	1	...	...	1	...	...	...	...
Influenza	...	...	...	1	1	1	1	...	...
Encephalitis Lethargica	...	1	...	...	1	...	...	1	...
Cerebro-spinal Meningitis	...	...	...	...	...	...	...	...	...
Other Epidemic Diseases	...	...	...	...	...	...	...	...	...
Tuberculosis of Respiratory System	...	4	1	2	3	1	1	...	1
Tuberculous Meningitis	...	...	...	...	3	1	...	...	...
Tuber. of Intestines and Peritoneum	...	1	1	1	...	...	...	...	...
Other Tuberculous Disease	...	...	...	...	1	...	...	1	...
Malignant Tumours	...	4	...	2	5	10	7	1	8
Rheumatic Fever	...	...	1	...	...	...	...	...	...
Meningitis(not Cerebro-spinal or Tuber.)	1	1	...	...	...	...	2	...	...
Apoplexy	...	3	4	4	2	5	7	6	2
Heart Disease	...	6	6	8	3	8	5	4	6
Diseases of Arteries	...	1	...	...	1	2	...	1	...
Bronchitis	...	3	1	4	2	2	1	2	3
Pneumonia (all forms)	...	3	5	2	5	6	3	2	3
Other Diseases of Respiratory System	...	1	...	...	1	...	1	...	...
Diarrhoea and Entiritis (under 2 years)	...	...	...	...	1	1	...	...	...
Appendicitis	...	2	...	2	...	...	...	...	...
All Diseases of Liver (not Malignant)	...	...	...	...	...	...	1	1	1
Nephritis, Acute and Chronic	...	2	2	2	...	2	2	2	...
Puerperal Sepsis	...	...	...	...	...	1	...	1	...
Other Diseases and Accidents of Pregnancy and Parturition	...	2	...	...	...	...	...	1	...
Dis. of Early Infancy and Malformations	3	...	2	2	3	...	...	4	4
Suicide	...	1	1	2	1	...	...	...	...
Other Violent Deaths	...	...	4	1	3	...	1	2	2
Other Defined Diseases	...	8	13	7	7	7	8	6	5
Causes Ill-defined or Unknown	...	...	...	1	1	...	...	...	...
All Causes	...	47	43	41	44	52	42	35	35
AGE AT DEATH.									
Under 1	...	7	...	3	7	7	1	5	6
1-4	...	3	1	...	2	3	2	1	2
5-9	...	1	1	3	2	...	...	...	1
10-14	...	1	1	3	...	1	1	...	...
15-24	...	2	2	1	...	2	...	1	...
25-34	...	5	2	1	3	3	...	3	1
35-44	...	3	4	2	3	3	1	3	3
45-54	...	4	6	5	6	4	5	1	2
55-64	...	8	7	5	9	8	11	6	6
65-74	...	6	8	12	5	12	14	8	10
75-84	...	4	8	5	5	6	5	5	3
85 and over	...	3	3	1	2	3	2	2	1
Not stated	...	...	...	...	...	...	...	...	...
All Ages	...	47	43	41	44	52	42	35	35

## ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,  
During the Month of MAY 1930.

OBSERVERS.	AIR PRESSURE at 9 A.M. and 9 P.M.		AIR TEMPERATURE.		HYGROMETER.		RAIN, AND OTHER FORMS OF PRE- CIPITATION.		WIND DIRECTIONS							
	Mean of at Sea-Level and 32°.		Mean of Absolute Maximum and Minimum.		Mean at 9 A.M. and 9 P.M.		Number of Days.		Number of Observations at 9 A.M. and 9 P.M.							
	Height of Barometer above Sea-level.	Mean at Station-level and 32°.	Day of Month.	Minimum.	Dry Bulb.	Vapour Pressure.	Depression of Wet Bulb.	Humidity.	N	NE	E	SE	S	SW	W	NW
GLASGOW, Professor J. R. CURRIE, M.D., The University.	139	29.771	29.924	57.5	43.6	50.5	+0.2	69	26th	35	8th	50.7	4.2	inch.	inch.	inch.
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29.456	29.942	54.1	41.8	47.9	-0.6	67	26th	34	8th	47.2	2.3	270	82	11
DUNDEE, A. MACRAE, Curator of Cemeteries.	164	29.729	29.910	55.3	41.5	48.4	-1.0	66	27th	33	9th	48.3	2.8	266	79	13
ABERDEEN,* The Meteorological Office.	85	29.803	29.904	53.4	41.4	47.4	-0.8	69	27th	34	8, 10	47.9	3.4	256	77	14
PAISLEY, The Coats Observatory.	107	29.812	29.931	59.3	43.5	51.4	-0.2	73	26th	34	8th	50.2	3.5	273	75	13
GREENOCK,† J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	233	29.681	29.938	57.7	43.4	50.5	+0.7	69	26th	35	9, 10	49.4	3.5	260	74	12
PERTH,† J. RITCHIE, The Museum.	22	29.896	29.920	59.5	42.7	51.1	+1.3	72	26th	30	9, 10	47.1	3.6	236	73	14
Means	170	29.735	29.924	56.7	42.5	49.6	0.0	..	..	..	..	48.7	3.3	261	76	13
														1.59	-0.85	2
														8	11	3
														9	8	7
														3		

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North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 14'.  
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 3° 27'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 36'.

For Official Use.

MONTHLY RETURN  
OF THE  
**Births, Deaths, and Marriages**  
IN  
**Sixteen of the Principal Towns of Scotland**  
JUNE 1930.

*Published by Authority of the Registrar-General.*

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## REPORT

During the month of June 1930 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 4133 living children, of whom 2136 were males, and 1997 were females. Compared with the number in the previous month, that of male children is 144 fewer, of female children 254 fewer, and the total number of children registered is 398 fewer.

The monthly birth-rate in these towns taken collectively was 20·7 per thousand. This rate is 1·3 less than that of the previous month, and 0·6 less than the June average.

In the individual towns the monthly birth-rate averaged 20·6 per thousand, and varied from 26·4 in Greenock, 25·9 in Coatbridge, and 24·7 in Motherwell and Wishaw, to 13·5 in Dunfermline, 15·3 in Edinburgh, and 17·5 in Ayr. In Hamilton this rate was 22·6, in Glasgow 22·4, in Kirkcaldy 21·6, in Dundee 21·1, in Paisley 21·0, in Kilmarnock 20·9, in Aberdeen 20·7, in Clydebank 19·0, in Falkirk 18·8, and in Perth 18·2.

Of the 4133 children whose births were registered during the month, 3857, or 93·3 per cent., were legitimate, while 276, or 6·7 per cent., were illegitimate. The legitimate children of the month numbered 379 fewer than in the previous month, and the illegitimate children 19 fewer. The illegitimate rate of the month, 6·7 per cent., is 0·2 above that of the previous month. In the individual towns the monthly illegitimate rate varied from 10·4 per cent. in Perth, 10·0 in Dundee, and 9·3 in Aberdeen, to 2·9 in Kirkcaldy, 3·4 in Greenock, 3·5 in Motherwell and Wishaw, and 3·9 in Clydebank. In Glasgow this rate was 6·8, and in Edinburgh 6·0.

Marriages registered in these towns during the month numbered 2226, and equalled a marriage-rate of 11·2 per thousand. This number is 1557 more than that of the previous month. This rate is 8·0 more than that of the previous month, and 0·7 above the June average. In the individual towns the monthly marriage-rate averaged 10·1, and varied from 12·9 in Perth, 12·8 in Edinburgh, 12·6 in Aberdeen,

*NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the three preceding years.*

and 12·3 in Kilmarnock, to 6·5 in Coatbridge, 6·6 in Hamilton, 7·0 in Motherwell and Wishaw, and 7·9 in Paisley. In Glasgow the monthly marriage-rate was 11·5 and in Dundee 10·5.

Deaths registered in these towns during the month numbered 2570, and are 521 fewer than registered in May. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 2428, and to include the deaths of 1268 males and 1160 females. The corrected number is 469 less than that of the previous month, deaths of males being 219 fewer, and of females 250 fewer.

The monthly death-rate in these towns taken collectively and based on the corrected number of deaths was 12·2 per thousand, which rate is 1·9 less than that of the previous month, and is 0·1 less than the June average. In the individual towns the monthly death-rate averaged 11·5 per thousand, and varied from 14·6 in Edinburgh, 14·3 in Ayr, 13·6 in Coatbridge, and 13·2 in Dundee, to 8·3 in Kirkcaldy, 9·6 in Dunfermline, and 9·8 in Hamilton. In Aberdeen the monthly death-rate was 12·1, in Greenock 11·9, in Glasgow 11·7, in Falkirk 11·6, in Perth 11·4, in Clydebank 10·9, in Kilmarnock 10·8, in Motherwell and Wishaw 10·1, and in Paisley 10·0.

Deaths of children of less than one year old numbered 279, and equalled an infantile mortality rate of 69 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths numbered 101 fewer than in the previous month, and this mortality rate was 22 less than that of the previous month, and 5 less than the June average. In the individual towns the monthly infantile mortality rate averaged 67 per thousand births, and varied from 92 in Greenock, 90 in Coatbridge, and 85 in Clydebank, to 42 in Dunfermline, 47 in Kilmarnock, 52 in Kirkcaldy, and 58 in Motherwell and Wishaw. In Glasgow this rate was 67, in Edinburgh 77, in Dundee 74, and in Aberdeen 63.

Deaths from the principal epidemic diseases numbered 129, and equalled a death-rate from these causes of 0·6 per thousand. These deaths numbered 70 fewer than in the previous month, but 6 more than in June of last year. They included 50 from measles, 4 from scarlet fever, 41 from whooping-cough, 13 from diphtheria, and 21 from the diarrhoeas of childhood. In this month, as in the previous month, no deaths from enteric fever were registered. Compared with the number in the previous month, deaths from measles are 32 fewer, from whooping-cough 23 fewer, from diphtheria 9 fewer, from scarlet fever 3 fewer, and from the diarrhoeas of childhood 3 fewer.

Deaths attributed to influenza either as the sole cause or along with other stated cause numbered 17; in March these deaths numbered 57, in April 43, and in May 27.

Deaths attributed to respiratory diseases other than phthisis, but exclusive of those associated with influenza, in all numbered 346, and equalled a death-rate of 1·7 per thousand. Compared with the returns of the previous month these deaths numbered 143 fewer, and this death-rate is 0·7 less.

Deaths from all forms of tuberculous disease numbered 205, of which 151 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month, deaths from all forms of tuberculosis are 50 fewer and from tuberculosis of the respiratory system 16 fewer. Compared with the June average deaths from all forms of tuberculosis are 28 fewer, and from tuberculosis of the respiratory system 11 fewer.

## METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

JUNE 1930.

Mean barometric pressure, 29.915 in.; less than the average of 1881-1915 by 0.054 in.

Mean temperature,  $57^{\circ}1$ ; greater by  $1^{\circ}8$ .

Mean daily range of temperature,  $15^{\circ}5$ ; greater by  $0^{\circ}1$ .

Rain, depth in inches, 2.40; greater by 0.17 in.

Wind, direction of: a 7 day excess of winds from between south and south-west.

During the first half of the month, owing to the influence of anticyclonic areas to the north, north-west or south-west of the British Isles, barometric pressure was generally above normal over Scotland; during the last fortnight it was below normal, this being due mainly to secondaries, associated with low pressure centres in the vicinity of Iceland, moving eastwards across the country. On the whole the mean barometric pressure was slightly below normal, while at Edinburgh at mean sea level the extremes of pressure were 30.44 in. on 15th and 29.53 in. on 24th.

The month was the warmest June since 1925, with the mean maximum and the mean minimum being almost 2 degrees above the normal. The warmest periods were centred between the 5th and 6th and the 16th to 19th, the last day of the month being also warm. The coldest nights were generally the 3rd, 7th to 9th and 12th to 14th, ground frosts occurring locally on the mornings of 3rd, 8th, 12th and 13th. During the warm periods temperatures of over  $70^{\circ}$  F. were common, while  $81^{\circ}$  F. was reached at Gordon Castle on the 18th and  $80^{\circ}$  F. at Strathpeffer and Banff on the 19th. At Balmoral on the 3rd the maximum was  $70^{\circ}$  F. and the minimum  $32^{\circ}$  F., giving the large daily range of  $38^{\circ}$  F.

Rainfall was in western and extreme northern districts, and in a few eastern areas, particularly in Fifeshire, generally above the average, while elsewhere it was subnormal, the greatest deficiency being mainly in coastal districts of Nairn and Banff, and locally in southern Perthshire. Most of the rain fell between the 5th and 11th and from the 19th till the end of the month, the largest falls being mostly of a thundery type. At Newcastleon 2.40 in. fell on the 19th, and at New Cumnock 1.49 in. on the 9th.

Winds during the month were mostly moderate in strength, but on the 10th and 11th gale force was reported locally on the east coast. Fog occurred locally on the east coast on the 4th, 17th and 18th, that on 4th being dense in the Firth of Forth.

Thunderstorms occurred very locally on the 2nd, 6th, 7th and 10th, and more generally and almost daily at some place or other from the 18th until the end of the month. The most widespread storms were those of the 18th, 24th and 30th, those of the 18th affecting most of the south-eastern Scotland, those of the 24th central and northern Scotland, and those of the 30th inland areas lying between the Solway and southern Perthshire. Hail showers were reported on 11th, 23rd, 24th, 25th and 28th.

The outstanding feature of the month was probably the large amount of sunshine, there being generally an average of between 1 and 2 hours' sun per day above the normal figure. At Aberdeen, with 244 hours' sunshine, it was the sunniest month but one since May 1882, the exception being June 1889, which had 245 hours, while at Deerness, with 241 hours, it was the sunniest June since records commenced in 1880. The period between the 10th and 17th was mainly sunny; during these 8 days in the Shetlands there was the high average of almost 15 hours per day.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 48.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, JUNE 1930.

TOWNS.	POPULATION		BIRTHS.						DEATHS.					
	Census 1921.	Estimated to middle of 1930.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.	MARRIAGES.	REGISTERED		Total.	Out.	In.	Total Corrected.
									Males.	Females.				
GLASGOW, . . .	1,051,518	1,076,100	1029	952	1981	1847	134	1018	596	539	1135	146	50	1039
EDINBURGH, . . .	420,264	427,500	273	263	536	504	82	451	293	279	572	81	22	513
DUNDEE, . . .	168,315	167,000	143	146	289	260	29	144	101	88	189	16	8	181
ABERDEEN, . . .	158,963	158,800	147	123	270	245	25	164	78	82	160	29	27	158
PAISLEY, . . .	84,837	87,900	76	76	152	143	9	57	39	43	82	10	0	72
GREENOCK, . . .	81,133	81,900	91	87	178	172	6	68	51	29	80	3	3	80
MOTHERWELL AND WISHAW, . .	68,869	70,900	69	75	144	139	5	41	28	17	45	0	14	59
CLYDEBANK, . . .	46,601	49,300	39	38	77	74	3	39	11	14	25	1	20	44
COATBRIDGE, . . .	43,919	44,700	55	40	95	91	4	24	19	19	38	1	13	50
DUNFERMLINE, . .	39,899	37,900	19	23	42	39	3	28	13	12	25	1	6	30
KIRKCALDY, . . .	39,591	39,400	42	28	70	68	2	31	14	8	22	1	6	27
HAMILTON, . . .	39,504	40,800	33	43	76	70	6	22	11	15	26	1	8	33
KILMARNOCK, . . .	35,869	38,400	29	37	66	61	5	39	16	19	35	6	5	34
AYR, . . . .	35,763	37,500	35	19	54	50	4	34	24	30	54	14	4	44
FALKIRK, . . . .	34,419	35,600	30	25	55	51	4	32	25	9	34	3	3	34
PERTH, . . . .	33,208	32,100	26	22	48	43	5	34	31	17	48	19	1	30
TOTAL . . . . (SIXTEEN TOWNS)	2,382,772	2,425,800	2136	1997	4133	3857	276	2226	1350	1220	2570	332	190	2428

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, JUNE 1930.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM							DEATHS UNDER ONE YEAR OF AGE.		
				All Causes.		Regis- tered.	Corr. for Trans- fers.	Principal Epidemic Diseases.	All Tuber- culosis.	Tuber. of Respiratory System.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				All	Causes.								
GLASGOW, . . .	22·4	6·8	11·5	12·8	11·7	0·4		1·2	0·9	2·0	127	67	
EDINBURGH, . . .	15·3	6·0	12·8	16·3	14·6	1·6		1·1	0·9	1·6	46	77	
DUNDEE, . . .	21·1	10·0	10·5	13·8	13·2	0·6		0·7	0·7	2·1	21	74	
ABERDEEN, . . .	20·7	9·3	12·6	12·3	12·1	0·2		0·5	0·3	1·5	16	63	
PAISLEY, . . .	21·0	5·9	7·9	11·4	10·0	0·6		0·4	0·4	1·7	9	62	
GREENOCK, . . .	26·4	3·4	10·1	11·9	11·9	0·4		1·3	1·2	1·6	14	92	
MOTHERWELL AND WISHAW,	24·7	3·5	7·0	7·7	10·1	0·5		0·7	0·5	1·9	7	58	
CLYDEBANK, . . .	19·0	3·9	9·6	6·2	10·9	0·5		0·7	0·2	0·7	7	85	
COATBRIDGE, . .	25·9	4·2	6·5	10·3	13·6	0·5		1·1	0·5	1·9	8	90	
DUNFERMLINE,	13·5	7·1	9·0	8·0	9·6	1·0		1·0	0·6	1·0	2	42	
KIRKCALDY, . . .	21·6	2·9	9·6	6·8	8·3	0·0		0·3	0·0	0·9	3	52	
HAMILTON, . . .	22·6	7·9	6·6	7·7	9·8	0·6		0·9	0·3	0·3	5	63	
KILMARNOCK,	20·9	7·6	12·3	11·1	10·8	0·9		0·6	0·6	0·6	3	47	
AYR, . . . .	17·5	7·4	11·0	17·5	14·3	0·3		1·3	1·3	0·6	4	70	
FALKIRK, . . .	18·8	7·3	10·9	11·6	11·6	0·3		0·7	0·3	3·4	4	69	
PERTH, . . . .	18·2	10·4	12·9	18·2	11·4	0·0		1·5	0·8	1·1	3	64	
TOTAL . . . . (SIXTEEN TOWNS)	20·7	6·7	11·2	12·9	12·2	0·6		1·0	0·8	1·7	279	69	

\* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR JUNE 1930, AND FOR THE CORRESPONDING MONTH OF THE PRECEDING TEN YEARS, IN THE PRINCIPAL TOWNS.

Month.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM									* Infantile Mortality Rate.	Mean Temperature Seven Towns only.	
					(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
JUNE 1930 .	20·7	6·7	11·2	12·2	0	0	50	4	41	13	21	69	57·1			
JUNE 1929, .	20·3	7·9	10·2	11·6	2	0	2	3	36	15	28	67	54·4			
JUNE 1928, .	22·1	6·9	10·3	12·9	0	0	35	5	55	14	43	84	51·8			
JUNE 1927, .	21·5	6·1	10·9	12·4	2	0	32	7	54	14	23	71	51·6			
JUNE 1926, .	23·1	6·2	9·8	11·8	1	0	29	16	25	17	31	70	55·3			
JUNE 1925, .	25·5	6·7	11·2	12·6	0	0	9	28	116	23	43	79	57·4			
JUNE 1924, .	24·3	6·1	11·4	12·8	0	0	36	19	71	21	26	78	54·2			
JUNE 1923 .	24·8	6·1	11·7	12·8	1	0	52	17	45	19	28	80	54·0			
JUNE 1922, .	26·6	7·1	11·6	12·8	2	0	121	4	48	15	47	75	54·3			
JUNE 1921, .	29·5	7·5	13·0	12·6	4	0	5	9	96	15	37	76	56·5			
JUNE 1920, .	30·7	9·5	16·6	13·2	2	19	49	8	23	24	54	86	55·6			

Figures in columns 5-13 have been corrected for non-resident deaths.

\* Per 1000 of the average number of births registered monthly during the past 12 months.

### AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—June 1930.

CAUSES OF DEATH.	Total.	Age.													
		Males.	Females.	-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over.
Interic Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cyphus Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Small-pox	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Measles	—	—	—	50	22	28	14	36	—	—	—	—	—	—	—
Scarlet Fever	—	—	—	4	1	3	—	3	—	1	—	—	—	—	—
Whooping-cough	—	—	—	41	19	22	16	24	1	—	—	—	—	—	—
Diphtheria	—	—	—	13	9	4	1	5	6	1	—	—	—	—	—
Influenza	—	—	—	17	7	10	2	1	—	—	1	1	3	3	3
Encephalitis Lethargica	—	—	—	3	2	1	—	1	—	1	—	—	2	1	1
Cerebro-spinal Meningitis	—	—	—	8	5	3	4	—	1	—	1	—	1	1	1
Other Epidemic Diseases	—	—	—	10	2	8	2	1	—	1	2	—	2	1	1
Tuberculosis of Respiratory System	—	—	—	151	87	64	—	4	2	3	32	31	28	26	21
Tuberculous Meningitis	—	—	—	28	15	13	3	11	7	5	1	1	—	—	—
Tuberculosis of Intestines and Peritoneum	—	—	—	13	6	7	3	1	1	2	—	4	—	1	1
Other Tuberculous Disease	—	—	—	13	7	6	2	1	1	—	3	4	—	1	—
Malignant Tumours	—	—	—	266	118	148	—	—	—	2	8	22	47	76	74
Rheumatic Fever	—	—	—	8	4	4	—	—	—	1	2	—	1	1	4
Meningitis (not Cer.-spin. or Tuberc.)	—	—	—	11	6	5	2	4	2	—	1	—	2	—	—
Apoplexy	—	—	—	209	90	119	—	1	—	1	—	2	20	40	78
Heart Disease	—	—	—	375	186	189	1	2	2	1	9	11	19	32	73
Diseases of Arteries	—	—	—	42	22	20	—	—	—	—	—	2	2	2	10
Bronchitis	—	—	—	93	55	38	13	2	1	—	—	2	7	12	32
Pneumonia (all forms)	—	—	—	227	127	100	46	36	4	2	8	14	14	27	30
Other Diseases of Respiratory System	—	—	—	26	16	19	2	3	—	1	1	1	1	5	6
Diarrhoea and Enteritis (under 2 years)	—	—	—	21	15	6	19	2	—	—	—	—	—	3	—
Appendicitis	—	—	—	9	5	4	—	—	1	—	3	—	2	3	—
All Diseases of Liver (not Malignant)	—	—	—	23	11	12	—	—	—	—	3	1	3	3	5
Nephritis, Acute and Chronic	—	—	—	58	31	27	—	1	—	2	4	5	13	22	6
Puerperal Sepsis	—	—	—	7	—	7	—	—	—	1	4	2	—	—	1
Other Dis. & Accidents of Preg. & Part.	—	—	—	19	—	19	—	—	—	12	8	9	—	—	—
Diseases of Early Infancy and Malform.	—	—	—	117	73	44	117	—	—	—	3	2	5	10	4
Suicide	—	—	—	27	17	10	—	—	—	3	7	7	12	7	12
Other Violent Deaths	—	—	—	102	73	29	3	16	15	5	7	7	12	12	4
Other Defined Diseases	—	—	—	406	219	187	26	12	7	7	8	25	29	35	72
Causes Ill-defined or Unknown	—	—	—	31	18	13	3	—	2	—	1	2	4	9	6
	2428	1268	1160	279	167	53	31	91	131	157	244	397	490	321	67

**DEATHS IN EACH TOWN (corrected for Transfers)—June 1930.**

CAUSES OF DEATH.

		Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
Enteric Fever	...	...	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...	...
Measles	...	50	6	34	1	...	...	1	1	1
Scarlet Fever	...	4	2	...	7	1	3	...	2	1
Whooping-cough	...	41	11	13	1	1	...	...	...	...
Diphtheria	...	13	10	2	...	1	...	...	...	...
Influenza	...	17	8	3	1	1	...	...	...	...
Encephalitis Lethargica	...	3	2	1	...	...	...	...	...	...
Cerebro-spinal Meningitis	...	8	2	5	...	...	...	...	...	...
Other Epidemic Diseases	...	10	5	1	2	...	...	...	...	...
Tuberculosis of Respiratory System	...	151	78	31	9	4	3	8	3	1
Tuberculous Meningitis	...	28	21	1	1	1	...	1	...	...
Tuber. of Intestines and Peritoneum	...	13	3	5	...	...	...	...	1	...
Other Tuberculous Disease	...	13	8	...	...	1	...	...	...	1
Malignant Tumours	...	266	105	66	22	15	7	9	7	4
Rheumatic Fever	...	8	5	...	...	1	...	...	1	1
Meningitis(not Cerebro-spinal or Tuber.)	...	11	5	1	...	...	1	2	...	...
Apoplexy	...	209	89	41	12	25	2	8	2	7
Heart Disease	...	375	148	88	29	28	11	8	14	4
Diseases of Arteries	...	42	11	10	6	7	2	1	...	...
Bronchitis	...	93	47	15	4	5	3	1	5	2
Pneumonia (all forms)	...	227	116	34	22	12	9	9	6	1
Other Diseases of Respiratory System	...	26	10	8	3	2	...	1	...	...
Diarrhoea and Enteritis (under 2 years)	...	21	10	6	...	1	...	...	...	...
Appendicitis	...	9	5	1	...	1	...	...	...	1
All Diseases of Liver (not Malignant)	...	23	7	3	2	3	...	1	1	...
Nephritis, Acute and Chronic	...	58	18	18	3	4	3	2	3	2
Puerperal Sepsis	...	7	5	...	...	1	1	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	19	10	4	...	2	2	...	...	...
Dis. of Early Infancy and Malformations	...	117	53	13	9	8	5	10	4	5
Suicide	...	27	8	11	3	2	2	...	...	...
Other Violent Deaths	...	102	48	12	8	9	2	3	1	3
Other Defined Diseases	...	406	166	83	36	23	14	12	8	7
Causes Ill-defined or Unknown	...	31	17	3	1	...	1	1	...	1
 All Causes	...	2428	1039	513	181	158	72	80	59	44
 AGE AT DEATH.										
Under 1	...	279	127	46	21	16	9	14	7	7
1- 4	...	167	66	46	9	3	6	11	5	3
5- 9	...	53	23	5	4	4	3	2	3	3
10-14	...	31	20	4	3	1	...	1	...	...
15-24	...	91	47	16	7	9	5	3	2	...
25-34	...	131	53	27	12	9	4	3	2	2
35-44	...	157	66	28	9	10	11	3	3	4
45-54	...	244	111	43	18	13	6	6	7	7
55-64	...	397	184	79	33	28	6	10	9	5
65-74	...	490	200	120	31	33	16	16	13	5
75-84	...	321	120	76	28	27	7	9	6	5
85 and over	...	67	22	23	6	5	1	1	2	1
Not stated	...	...	...	...	...	...	...	...	...	...
 All Ages	...	2428	1039	513	181	158	72	80	59	44

DEATHS IN EACH TOWN (corrected for Transfers)—June 1930—*continued.*

CAUSES OF DEATH.												
					Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
Enteric Fever	...	...	...	...	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	1	...	...	1	2	...	...	...
Measles	...	...	...	...	1	...	...	...	...	...	...	...
Scarlet Fever	...	...	...	...	1	...	...	...	...	...	...	...
Whooping-cough	...	...	...	2	1	...	...	...	...	...	...	...
Diphtheria	...	...	...	...	...	...	...	...	...	...	...	...
Influenza...	...	...	...	1	...	...	...	2	1	...	...	...
Encephalitis Lethargica	...	...	...	...	...	...	...	...	...	...	...	...
Cerebro-spinal Meningitis	...	...	1	...	...	...	1	1	2	4	1	2
Other Epidemic Diseases	...	...	...	...	...	...	...	...	...	...	...	...
Tuberculosis of Respiratory System	...	2	2	...	...	...	1	1	2	4	1	2
Tuberculous Meningitis	...	...	...	1	...	...	...	...	...	...	...	1
Tuber. of Intestines and Peritoneum	...	2	...	...	1	...	...	...	...	...	1	...
Other Tuberculous Disease	...	...	...	...	...	...	...	2	...	...	...	1
Malignant Tumours	...	6	3	2	4	...	3	9	1	3	...	...
Rheumatic Fever	...	...	...	...	...	...	...	...	...	...	...	...
Meningitis(not Cerebro-spinal or Tuber.)	1	...	...	...	1	...	...	...	...	...	...	...
Apoplexy...	...	3	3	3	1	2	4	2	5	...	...	...
Heart Disease	...	6	4	6	6	5	8	4	6	...	...	...
Diseases of Arteries	...	...	...	...	...	...	...	...	...	3	1	...
Bronchitis	...	2	1	3	...	...	...	...	...	1	3	1
Pneumonia (all forms)	...	5	2	...	1	2	1	...	...	6	1	...
Other Diseases of Respiratory System	...	...	...	...	...	...	...	...	...	...	1	1
Diarrhoea and Enteritis (under 2 years)	...	...	...	1	...	1	1	1	1	...	...	...
Appendicitis	...	...	...	1	...	...	...	...	...	...	...	...
All Diseases of Liver (not Malignant)	2	...	...	...	1	2	...	...	...	1	...	...
Nephritis, Acute and Chronic	...	3	1	...	...	...	...	...	...	...	...	1
Puerperal Sepsis	...	...	...	...	...	...	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	...	...	...	...	...	...	...	...	1	...	...
Dis. of Early Infancy and Malformations	3	1	...	...	2	1	1	1	1	1	1	1
Suicide	...	...	...	...	...	...	...	...	...	...	...	...
Other Violent Deaths	...	2	4	1	3	1	...	...	...	4	1	...
Other Defined Diseases	...	6	4	9	5	11	11	11	11	6	5	...
Causes Ill-defined or Unknown	...	3	1	...	1	1	1	1	1	...	...	1
All Causes	...	50	30	27	33	34	44	34	34	30	...	...
AGE AT DEATH.												
Under 1	...	...	...	8	2	3	5	3	4	4	3	3
1-4	...	...	...	4	6	...	2	3	...	3	...	...
5-9	...	...	...	2	1	1	1	...	...	...	1	...
10-14	...	...	...	...	...	...	...	...	...	...	2	...
15-24	...	...	...	2	...	...	2	1	...	...	...	...
25-34	...	...	...	8	2	2	1	1	...	...	2	1
35-44	...	...	...	3	4	...	6	3	3	3	3	1
45-54	...	...	...	5	3	5	4	3	7	5	1	1
55-64	...	...	...	8	4	4	3	4	10	6	4	4
65-74	...	...	...	8	4	4	8	9	7	8	8	8
75-84	...	...	...	2	4	7	1	7	11	1	8	8
85 and over	...	...	...	...	...	1	...	...	2	...	...	3
Not stated	...	...	...	...	...	...	...	...	...	...	...	...
All Ages	...	50	30	27	33	34	44	34	34	30	...	...

## ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,  
During the Month of JUNE 1930.

OBSERVERS.	AIR PRESSURE at 9 A.M. and 9 P.M.	AIR TEMPERATURE.				HYGROMETER.				RAIN, AND OTHER FORMS OF PRE- CIPITATION.				WIND DIRECTIONS															
		Mean of A and B (Mean Tem- perature).		Absolute Maximum and Minimum.		Mean at 9 A.M. and 9 P.M.		Number of Days.		Difference from Average.		Total Fall.		Number of Observations at 9 A.M. and 9 P.M.															
		Mean of Minimum (B.)	Maximum (A.)	Day of Month.	Day of Month.	Dry Bulb.	Vapour Pressure.	Depression of Wet Bulb.	Humidity.	N	NE	E	SE	S	SW	W	NW												
GLASGOW, Professor J. R. CURRIE, M.D., The University.	29.921	64.2	50.3	57.3	+1.5	75	30th	46	8, 12, 24	57.8	4.8	.346	71	15	2.71	+0.19	0	4	14	2	28	4	0						
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	29.935	64.1	48.6	56.3	+2.3	76	5th	42	10th	56.0	4.1	.333	75	15	1.81	-0.04	0	10	2	6	6	18	10	5					
DUNDEE, A. MACRAE, Curator of Cemeteries.	29.900	65.6	49.0	57.3	+1.9	77	19th	45	8th	56.3	4.0	.336	75	12	1.89	+0.09	0	1	0	23	0	33	0	3					
ABERDEEN,* The Meteorological Office.	29.722	63.1	48.2	55.7	+2.2	77	5th	40	8th	56.4	4.4	.333	73	12	2.21	+0.50	6	0	1	7	24	6	3	10					
PAISLEY, The Coats Observatory.	29.891	65.8	49.7	57.7	+0.4	78	18th	45	24th	57.1	4.1	.348	75	15	2.62	+0.14	0	2	11	4	10	17	8	3					
GREENOCK,† J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	29.677	64.4	50.0	57.2	+1.7	74	16, 30	45	8th	56.3	4.3	.328	73	13	2.70	+0.40	2	1	14	1	16	12	12	1					
PERTH,† J. RITCHIE, The Museum.	29.883	67.3	49.9	58.6	+2.9	76	19th	41	12, 13	57.5	5.0	.326	69	10	1.88	-0.09	0	0	4	14	0	23	0	11					
Means	•	170	29.730	29.915	64.9	49.4	57.1	+1.8	..	..	..	..	..	..	..	..	..	13	2.40	+0.17	1	3	7	8	9	19	5	4	4

North Latitude.—Glasgow, 55° 55'; Edinburgh, 55° 52'; Dundee, 56° 55'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 14'. West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 36'.

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## MONTHLY RETURN

OF THE

# Births, Deaths, and Marriages

IN

## Sixteen of the Principal Towns of Scotland

JULY 1930.

*Published by Authority of the Registrar-General.*

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## REPORT

During the month of July 1930 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 4100 living children, of whom 2112 were males, and 1988 were females. Compared with the number in the previous month, births of male children are 24 fewer and of female children 9 fewer, the total number of births registered being 33 fewer.

The monthly birth-rate in these towns taken collectively was 19.9 per thousand. This rate is 0.8 below that of the previous month, and 0.6 below the July average.

In the individual towns the monthly birth-rate averaged 19.5 per thousand, and ranged from 25.1 in Motherwell and Wishaw, 23.7 in Aberdeen, and 22.1 in Coatbridge, to 13.9 in Falkirk, 15.0 in Perth, and 17.2 in Kilmarnock. In Hamilton it was 21.6, in Dunfermline 21.4, in Greenock 21.1, in Glasgow 20.5, in Dundee 19.7, in Paisley 18.8, in Clydebank 18.4, in Ayr 17.9, in Kirkcaldy 17.6, and in Edinburgh 17.4.

Of the 4100 living children whose births were registered during the month, 3830, or 93.4 per cent., were legitimate, while 270, or 6.6 per cent., were illegitimate. The legitimate children numbered 27 fewer than in the previous month, and the illegitimate children 6 fewer. The illegitimate rate of the month, 6.6 per cent., is 0.1 below that of the previous month. In the individual towns the monthly illegitimate rate ranged from 9.8 in Perth, 8.6 in Dundee, and 8.5 in Kirkcaldy, to 1.8 in Kilmarnock, 3.9 in Clydebank, and 4.1 in Greenock. In Glasgow this rate was 6.6, in Edinburgh 6.3, and in Aberdeen 7.5.

Marriages registered in these towns during the month numbered 2531, and equalled a marriage-rate of 12.3 per thousand. This number is 305 more than in the previous month. The rate is 1.1 above that for the previous month, but 0.7 below the July average. In the individual towns the monthly marriage-rate averaged 11.0 per thousand, and ranged from 14.9 in Dundee, 14.7 in Perth, and 14.0 in Kirkcaldy, to 6.6 in Ayr, 8.3 in Paisley, 8.5 in Greenock, and 8.9 in

*NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the three preceding years.*

Kilmarnock. In Glasgow this rate was 13·2, in Edinburgh 12·7, and in Aberdeen 11·1.

Deaths registered in these towns during the month numbered 2532, and are 38 fewer than were registered in June. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 2360, and to include the deaths of 1221 males and of 1139 females. The corrected number is 68 less than in the previous month, deaths of males being 47 fewer, and those of females 21 fewer.

The monthly death-rate in these towns taken collectively and based on the corrected number of deaths was 11·5 per thousand, being 0·7 below that of the previous month, but the same as the July average. In the individual towns the monthly death-rate averaged 10·7 per thousand, and ranged from 14·4 in Greenock, 14·0 in Dundee, and 12·6 in Edinburgh, to 8·1 in Motherwell and Wishaw, 8·3 in Kilmarnock, 8·7 in Paisley, and 8·9 in Falkirk. In Glasgow this rate was 11·4, in Coatbridge 11·3, in Aberdeen and in Perth 11·0, in Dunfermline 10·9, in Ayr 10·7, in Hamilton 10·4, in Kirkcaldy 10·1, and in Clydebank 9·1.

Deaths of children of less than one year old numbered 224, and equalled an infantile mortality rate of 55 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths numbered 55 fewer than in the previous month, and the infantile mortality rate was 14 less than in the previous month, and 15 less than the July average. This is the lowest infantile mortality rate recorded for any month since August 1922, when the rate was 54. In the individual towns the monthly infantile mortality rate averaged 44 per thousand births, and ranged from 110 in Hamilton, 65 in Edinburgh, and 60 in Dunfermline, to 0 in Clydebank and in Falkirk. In Dundee this rate was 58, in Glasgow 57, in Aberdeen 56, in Greenock 51, in Kirkcaldy 50, in Coatbridge 43, in Paisley 41, in Ayr 34, in Motherwell and Wishaw 32, in Perth 21, and in Kilmarnock 18.

Deaths from the principal epidemic diseases numbered 105, and equalled a death-rate from these causes of 0·5 per thousand. These deaths numbered 24 fewer than in the previous month, and 15 fewer than the July average. They included 25 from measles, 5 from scarlet fever, 30 from whooping-cough, 14 from diphtheria, and 31 from the diarrhoeas of childhood. In this month, as in the two previous months, no death was registered from enteric fever. Compared with the numbers of the previous month, deaths from the diarrhoeas of childhood are 10 more, and those from scarlet fever and diphtheria are each 1 more, but those from whooping-cough are 11 fewer, and those from measles are 25 fewer.

Deaths attributed to influenza either as the sole cause or along with some other stated cause numbered 11; in March these deaths numbered 57, in April 43, in May 27, and in June 17.

Deaths attributed to respiratory diseases other than phthisis, but exclusive of those associated with influenza, in all numbered 279, and equalled a death-rate of 1·4 per thousand. Compared with the returns of the previous month these deaths numbered 67 fewer, and the death-rate 0·3 less.

Deaths from all forms of tuberculous disease numbered 200, of which 149 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month, deaths from all forms of tuberculosis are 5 fewer, and those from tuberculosis of the respiratory system 2 fewer. Compared with the July average deaths from all forms of tuberculosis are 13 fewer, and those from tuberculosis of the respiratory system are 1 fewer.

# METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

JULY 1930.

Mean barometric pressure, 29.769 in.; less than the average of 1881-1915 by 0.131 in.

Mean temperature,  $58^{\circ}3$ ; greater by  $0^{\circ}4$ .

Mean daily range of temperature,  $11^{\circ}9$ ; less by  $2^{\circ}4$ .

Rain, depth in inches,  $2.87$ ; less by  $0.12$  in.

Wind, direction of: a slight excess of winds from between north-west and north-east.

With depressions either in the immediate neighbourhood of our shores or passing directly over Scotland, atmospheric pressure throughout the first week or so of July was below the normal. Around 7th, the presence of an anticyclonic area began to exert its influence, and for the next five or six days until 12th, the barometer rose considerably above its normal level and attained its maximum height at most places on 9th or 10th. Thereafter with the exception of the short period 23rd to 25th, when the passage of a wedge of high pressure caused a brief rise, atmospheric pressure was always below normal, notably on 17th and 18th, when a depression enveloped southern Scotland. On the whole the mean barometric pressure for the month was below the normal, and at Edinburgh at mean sea level the extremes were 30.27 in. on 9th and 29.24 in. on 18th.

The mean temperature for the month was just slightly above that of the average July, this being due to the warm nature of the nights. The warmest period of the month occurred during the 1st to 3rd, and with few exceptions most places in Scotland registered their highest extreme for the month on one or other of these days. Thus at Nairn on 1st the day temperature rose to  $81^{\circ}$  F., this being the highest measured in Scotland during the month, and at both North Berwick and Broomlands near Kelso on the same day the thermometer attained the  $78^{\circ}$  F. level. The coldest period of the month was the 8th to 13th, during which spell most places registered their lowest extreme for the month. On the mornings of 12th and 13th the temperature at West Linton fell to  $38^{\circ}$  F., and at Balmoral on 8th, and at Wolfelee on 11th, the readings were both  $39^{\circ}$  F. Throughout the second half of the month day temperatures rarely rose above normal.

From the River Forth southwards to the borders rainfall aggregates were well in excess of the normal, but over the remainder of Scotland, with the exception of an isolated region here and there, there was a slight deficiency, which was most pronounced over the Western Isles. The wettest period of the month was from 17th to 22nd, when some very heavy falls of thunderstorm origin were measured, the most noteworthy being those of 2.08 in. and 1.85 in. at Broomlands on 17th and 22nd respectively, and 2.21 in. at Garroch Gardens in Kirkcudbrightshire on 20th. At both Broomlands and Branxholme in Roxburgh it was the wettest July since 1895. In association with a thunderstorm which broke over Buckies, near Thurso, on 4th, 2.24 in. fell on that day.

Thunderstorms were of very frequent occurrence and were reported on no fewer than 19 days at some place or other, on each day from 1st to 6th, on 10th, 14th, 15th, again on each day from 17th to 22nd, and on 26th, 28th, 29th and 30th. The most widespread storms were those of 3rd, 4th and 29th, whilst the storm of 20th was particularly severe in south-western Scotland. The other storms were more or less of a sporadic nature.

Unlike the preceding month, which was one of the sunniest on record, July on the other hand showed a marked deficiency, and only in the Orkney Isles was there an excess above the average. In Edinburgh, where the total sunshine was actually as low as 118 hours, it was the most sunless July since at least 1901.

**NOTE.**—The mean values refer to those of the Principal Towns named in meteorological Table on p. 56.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, JULY 1930.

TOWNS.	POPULATION		BIRTHS.						DEATHS.					
	Census 1921.	Estimated to middle of 1930.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.	MARRIAGES.	REGISTERED	TRANSFERS	Total	Out.	In.	Total Corrected.
GLASGOW, .	1,051,518	1,076,100	965	905	1870	1747	123	1204	602	518	1120	146	64	1038
EDINBURGH, .	420,264	427,500	333	300	633	593	40	460	281	260	541	96	13	458
DUNDEE, .	168,315	167,000	154	126	280	256	24	211	109	96	205	14	7	198
ABERDEEN, .	158,963	153,800	158	161	319	295	24	150	58	83	141	20	27	148
PAISLEY, .	84,837	87,900	66	74	140	130	10	62	29	38	67	8	6	65
GREENOCK, .	81,133	81,900	70	77	147	141	6	59	58	47	105	7	2	100
MOTHERWELL AND WISHAW, .	68,869	70,900	76	75	151	139	12	55	13	29	42	0	7	49
CLYDEBANK, .	46,601	49,300	39	38	77	74	3	49	8	9	17	0	21	38
COATBRIDGE, .	43,919	44,700	40	44	84	79	5	40	21	16	37	2	8	43
DUNFERMLINE, .	39,899	37,900	32	37	69	66	3	34	18	21	39	7	3	35
KIRKCALDY, .	39,591	39,400	36	23	59	54	5	47	18	15	33	3	4	34
HAMILTON, .	39,504	40,800	36	39	75	70	5	37	21	14	35	4	5	36
KILMARNOCK, .	35,969	38,400	26	30	56	55	1	29	19	11	30	8	5	27
AYR, .	35,763	37,500	34	23	57	54	3	21	23	23	46	13	1	34
FALKIRK, .	34,419	35,600	21	21	42	40	2	33	12	21	33	9	3	27
PERTH, .	33,208	32,100	26	15	41	37	4	40	25	16	41	13	2	30
TOTAL (SIXTEEN TOWNS)	2,382,772	2,425,800	2112	1983	4100	3830	270	2531	1315	1217	2532	350	178	2360

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, JULY 1930.

TOWNS.	Birth- Rate per 1000 of Popula- tion.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popula- tion.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.			
				All Causes.		Regis- tered.	Corr. for Trans- fers.	Princi- pal Epidemic Diseases.	All Tuber- culosis.	Tuber- culosis, of Respiratory System.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				All Causes.	Principal Epidemic Diseases.								
GLASGOW, .	20·5	6·6	13·2	12·3	11·4	0·4		1·1	0·8	1·6	110		57
EDINBURGH, .	17·4	6·3	12·7	14·9	12·6	1·2		1·0	1·0	1·2	40		65
DUNDEE, .	19·7	8·6	14·9	14·5	14·0	0·1		1·1	0·8	1·8	17		58
ABERDEEN, .	23·7	7·5	11·1	10·5	11·0	0·1		0·4	0·1	1·1	15		56
PAISLEY, .	18·8	7·1	8·3	9·0	8·7	0·3		0·5	0·3	1·1	6		41
GREENOCK, .	21·1	4·1	8·5	15·1	14·4	1·0		1·9	1·2	1·3	8		51
MOTHERWELL AND WISHAW, .	25·1	7·9	9·1	7·0	8·1	0·3		0·5	0·0	1·5	4		32
CLYDEBANK, .	18·4	3·9	11·7	4·1	9·1	0·5		1·0	0·7	0·7	0		0
COATBRIDGE, .	22·1	6·0	10·5	9·7	11·3	0·5		1·1	0·3	1·1	4		43
DUNFERMLINE,	21·4	4·3	10·6	12·1	10·9	0·3		0·6	0·3	0·3	3		60
KIRKCALDY, .	17·6	8·5	14·0	9·8	10·1	0·3		0·6	0·0	1·5	3		50
HAMILTON, .	21·6	6·7	10·7	10·1	10·4	0·0		0·9	0·3	1·4	9		110
KILMARNOCK, .	17·2	1·8	8·9	9·2	8·3	0·6		0·9	0·6	0·9	1		18
AYR, .	17·9	5·3	6·6	14·5	10·7	0·6		0·6	0·3	0·0	2		34
FALKIRK, .	13·9	4·8	10·9	10·9	8·9	0·0		0·7	0·7	1·0	0		0
PERTH, .	15·0	9·8	14·7	15·0	11·0	0·4		0·7	0·7	1·1	1		21
TOTAL (SIXTEEN TOWNS)	19·9	6·6	12·3	12·3	11·5	0·5		1·0	0·7	1·4	224		55

\* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR JULY 1930, AND FOR THE CORRESPONDING MONTH OF THE PRECEDING TEN YEARS, IN THE PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	DEATHS FROM										* Infantile Mortality Rate.	Mean Temperature, Seven Towns only).
				Death-Rate.	Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Diarrhea (Under 2 Years).	(13)	(14)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)		
JULY 1930, .	19·9	6·6	12·3	11·5	0	1	25	5	30	14	31	55	58°·3		
JULY 1929, .	20·7	6·4	14·0	11·7	0	0	8	3	32	15	35	68	58°·3		
JULY 1928, .	20·7	6·8	13·1	11·4	1	0	15	4	48	16	36	71	57°·3		
JULY 1927, .	20·1	6·3	11·9	11·5	0	0	46	5	44	15	37	71	59°·4		
JULY 1926, .	22·2	6·4	11·6	11·2	1	0	14	15	26	10	41	65	60°·4		
JULY 1925, .	23·4	6·6	12·2	11·4	3	0	12	19	63	10	53	78	60°·2		
JULY 1924, .	22·8	6·5	12·4	11·7	1	0	25	15	52	21	42	65	57°·4		
JULY 1923, .	24·2	7·3	13·7	11·3	2	0	30	12	35	15	44	65	59°·8		
JULY 1922, .	25·2	6·6	12·7	11·4	1	0	63	6	39	18	50	62	55°·2		
JULY 1921, .	26·0	7·3	12·6	11·2	5	0	6	16	51	17	88	70	60°·5		
JULY 1920, .	28·7	7·8	17·8	12·1	5	30	19	7	15	15	59	71	55°·8		

Figures in columns 5-13 have been corrected for non-resident deaths.

\* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS - July 1930.

CAUSES OF DEATH.	Total.	Males.	Females.	Age.												
				-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over.	
uteric Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
phus Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
all-pox	-	-	-	1	-	1	-	-	-	1	-	-	-	-	-	-
asles	-	-	-	25	13	12	5	20	-	-	1	1	-	-	-	-
urlet Fever	-	-	-	5	2	3	1	2	-	-	-	-	-	-	-	-
ooping-cough	-	-	-	30	16	14	11	19	-	-	-	-	-	-	-	-
lotheria	-	-	-	14	4	10	-	11	2	-	1	-	-	-	-	-
luenza	-	-	-	11	4	7	-	-	2	1	-	3	2	3	-	-
cephalitis Lethargica	-	-	-	5	4	1	-	-	1	1	1	1	-	-	-	-
rebro-spinal Meningitis	-	-	-	12	6	6	5	3	2	1	1	-	-	-	-	-
her Epidemic Diseases	-	-	-	10	6	4	1	-	2	1	2	1	-	3	-	-
erculosis of Respiratory System	-	149	73	76	1	6	5	3	37	23	25	21	22	6	-	-
erculous Meningitis	-	26	17	9	6	13	2	1	4	-	-	-	-	-	-	-
erculosis of Intestines and Peritoneum	-	11	7	4	-	4	2	1	2	-	-	1	-	1	-	-
her Tuberculous Disease	-	14	8	6	-	3	1	1	4	2	1	1	-	1	-	-
alignant Tumours	-	334	167	167	-	1	-	1	1	7	21	58	107	99	33	1
neumatic Fever	-	-	-	8	2	6	-	2	1	2	-	1	1	-	-	-
ningitis (not Cer.-spin. or Tuberc.)	-	11	4	7	2	2	2	1	-	-	3	1	-	-	-	-
oplexy	-	247	106	141	-	1	-	-	-	3	1	22	58	93	61	8
art Disease	-	307	148	159	-	-	1	2	8	15	22	24	64	90	68	13
iseases of Arteries	-	49	33	16	-	-	-	-	-	-	-	1	13	15	18	2
onchitis	-	-	-	86	43	43	10	3	1	-	1	2	1	8	13	26
neumonia (all forms)	-	-	-	174	112	62	26	35	7	-	7	5	14	14	25	27
her Diseases of Respiratory System	-	19	6	13	1	1	-	-	2	1	-	1	4	3	4	2
rrhoea and Enteritis (under 2 years)	-	31	15	16	26	5	-	-	-	-	-	-	-	-	-	-
pendicitis	-	-	-	26	12	14	-	2	2	3	1	4	2	5	4	3
Diseases of Liver (not Malignant)	-	20	8	12	-	-	-	-	-	1	3	6	9	4	19	22
sphritis, Acute and Chronic	-	79	50	29	-	-	-	-	1	3	3	3	3	3	3	2
pernal Sepsis	-	-	-	9	-	9	-	-	-	3	3	3	3	-	-	-
her Dis. & Accidents of Preg. & Part.	-	13	-	13	-	-	-	-	4	6	3	-	-	-	-	-
iseases of Early Infancy and Malform.	-	106	54	52	104	-	2	-	-	-	-	-	-	-	-	-
icide	-	-	-	26	23	3	-	-	2	7	5	3	6	2	1	-
her Violent Deaths	-	-	-	105	69	36	1	11	11	3	12	5	15	18	13	11
her Defined Diseases	-	-	-	358	182	176	23	14	8	7	14	15	23	31	56	64
uses Ill-defined or Unknown	-	-	-	39	27	12	1	-	-	1	-	4	6	11	11	4

**DEATHS IN EACH TOWN (corrected for Transfers)—July 1930.**

CAUSES OF DEATH.

		Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
Enteric Fever	...	1	1	1	1	1	1	1	1	1
Typhus Fever	...	1	1	1	1	1	1	1	1	1
Small-pox	...	25	2	16	16	16	16	16	16	16
Measles	...	5	2	1	1	1	1	1	1	1
Scarlet Fever	...	30	11	13	13	13	13	13	13	13
Whooping-cough	...	14	5	8	8	8	8	8	8	8
Diphtheria	...	11	2	3	3	3	3	3	3	3
Influenza	...	5	2	1	1	1	1	1	1	1
Encephalitis Lethargica	...	12	5	2	2	2	2	2	2	2
Cerebro-spinal Meningitis	...	10	7	...	...	...	...	...	...	...
Other Epidemic Diseases	...	149	77	35	12	2	2	8	3	3
Tuberculosis of Respiratory System	...	26	11	1	1	1	1	5	1	1
Tuberculous Meningitis	...	11	5	1	1	2	1	1	2	1
Tuber. of Intestines and Peritoneum	...	14	5	1	1	...	1	1	2	1
Malignant Tumours	...	334	146	63	33	20	16	15	1	8
Rheumatic Fever	...	8	3	1	1	1	2	2	...	...
Meningitis(not Cerebro-spinal or Tuber.)	...	11	6	1	1	...	2	...	...	...
Apoplexy	...	247	100	40	19	28	8	8	11	6
Heart Disease	...	307	127	65	24	22	8	12	6	3
Diseases of Arteries	...	49	12	18	5	6	1	1	...	...
Bronchitis	...	86	40	13	10	2	4	5	3	1
Pneumonia (all forms)	...	174	93	27	13	10	4	4	6	2
Other Diseases of Respiratory System	...	19	11	2	2	3	...	...	...	...
Diarrhoea and Enteritis (under 2 years)	...	31	18	4	2	1	3	...	...	...
Appendicitis	...	26	9	6	4	2	2	2	1	1
All Diseases of Liver (not Malignant)	...	20	11	6	...	2	...	...	...	...
Nephritis, Acute and Chronic	...	79	36	15	8	5	3	3	3	2
Puerperal Sepsis	...	9	5	...	1	1	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	13	9	2	...	...	1	...	...	...
Dis. of Early Infancy and Malformations	...	106	46	21	6	9	2	4	3	...
Suicide	...	26	10	5	2	...	2	2	...	...
Other Violent Deaths	...	105	53	13	11	6	3	4	3	2
Other Defined Diseases	...	358	140	72	38	19	7	14	9	8
Causes Ill-defined or Unknown	...	39	29	2	1	3	...	1	...	1
All Causes	...	2360	1038	458	198	148	65	100	49	38
AGE AT DEATH.										
Under 1	...	224	111	40	17	15	6	8	4	...
1- 4	...	156	67	36	6	5	6	13	5	4
5- 9	...	52	22	9	8	2	1	4	1	2
10-14	...	28	14	3	4	3	1	...	1	...
15-24	...	115	62	12	12	2	1	8	3	2
25-34	...	109	58	20	8	6	2	6	1	3
35-44	...	150	74	30	13	5	2	3	2	2
45-54	...	230	101	43	16	20	10	13	4	4
55-64	...	429	196	78	36	24	12	14	8	7
65-74	...	483	190	97	42	36	14	17	14	13
75-84	...	320	121	74	32	24	9	10	4	1
85 and over	...	64	22	16	4	6	1	4	2	...
Not stated	...	...	...	...	...	...	...	...	...	...
All Ages	...	2360	1038	458	198	148	65	100	49	38

## DEATHS IN EACH TOWN (corrected for Transfers)—July 1930—continued.

## CAUSES OF DEATH.

		Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
Enteric Fever	...	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...
Small-pox	...	...	1	...	...	...	...	...	...
Measles	...	...	1	...	...	...	1	...	...
Scarlet Fever	...	...	1	...	...	1	...	...	...
Whooping-cough	...	1	...	1	...	1	...	...	...
Diphtheria	...	...	...	1	...	...	...	...	1
Influenza	...	1	...	1	...	...	...	...	...
Encephalitis Lethargica	...	...	...	...	...	...	...	1	...
Cerebro-spinal Meningitis	...	...	...	...	...	1	...	1	...
Other Epidemic Diseases	...	1	...	...	...	...	...	...	...
Tuberculosis of Respiratory System	...	1	1	...	1	2	1	2	2
Tuberculous Meningitis	...	1	1	...	2	1	...	...	...
Tuber. of Intestines and Peritoneum	...	1	...	...	...	...	...	...	...
Other Tuberculous Disease	...	1	...	2	...	...	1	...	...
Malignant Tumours	...	5	5	3	4	3	3	4	5
Rheumatic Fever	...	...	...	...	...	...	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	...	1	5	4	2	3	6	1	3
Apoplexy	...	8	5	7	3	3	6	5	3
Heart Disease	...	1	...	...	...	...	...	...	1
Diseases of Arteries	...	1	...	3	2	...	1	...	1
Bronchitis	...	...	...	2	3	...	...	2	1
Pneumonia (all forms)	...	4	1	2	3	3	...	...	2
Other Diseases of Respiratory System	...	...	...	...	...	...	...	1	...
Diarrhoea and Entiritis (under 2 years)	...	1	...	...	...	...	1	...	1
Appendicitis	...	1	...	...	...	...	...	...	...
All Diseases of Liver (not Malignant)	...	1	...	...	...	...	...	...	...
Nephritis, Acute and Chronic	...	3	2	...	2	1	3	...	1
Puerperal Sepsis	...	...	...	1	1	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	...	1	...	...	...	...	...	...
Dis. of Early Infancy and Malformations	...	2	3	1	7	1	1	...	...
Suicide	...	...	2	...	...	...	...	1	2
Other Violent Deaths	...	2	...	1	3	1	2	1	...
Other Defined Diseases	...	7	8	7	6	3	8	4	8
Causes Ill-defined or Unknown	...	...	...	1	...	...	...	1	...
All Causes	...	43	35	34	36	27	34	27	30
AGE AT DEATH.									
Under 1	...	4	3	3	9	1	2	...	1
1- 4	...	2	3	1	2	4	2	...	...
5- 9	...	2	...	1	...	...	...	...	...
10-14	...	1	...	...	...	...	...	1	...
15-24	...	1	...	2	2	2	2	1	3
25-34	...	1	...	...	...	...	...	...	...
35-44	...	2	3	...	...	...	...	...	...
45-54	...	3	1	1	1	4	2	4	3
55-64	...	10	8	10	6	2	8	4	6
65-74	...	5	10	4	10	4	9	11	7
75-84	...	8	6	7	3	6	5	3	7
85 and over	...	2	...	3	...	...	2	1	1
Not stated	...	...	...	...	...	...	...	...	...
All Ages	...	43	35	34	36	27	34	27	30

## ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of JULY 1930.

OBSERVERS.	AIR PRESSURE at 9 A.M. and 9 P.M.		AIR TEMPERATURE.		HYGROMETER.		WIND DIRECTIONS								
	Mean of at Sea-Level and 32°.		Mean of Absolute Maximum and Minimum.		Mean at 9 A.M. and 9 P.M.		Number of Observations at 9 A.M. and 9 P.M.								
	Height of Barometer above Sea-level.	feet.	inch.	°	°	°	N	NE	E	SE	S	SW	W	NW	
GLASGOW, Professor J. R. CURRIE, M.D., The University.	139	29.616	29.767	63.6	53.5	58.5 +0.5	70	2, 3, 12	47	11th	58.8	4.5	*370	inch. per cent.	
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29.312	29.785	63.0	51.6	57.3 +0.4	72	1st	44	11th	56.4	3.2	*360	19	3.31 +0.22
DUNDEE, A. MACRAE, Curator of Cemeteries.	164	29.581	29.759	65.3	51.5	58.4 0.0	74	2nd	46	11th	57.3	3.3	*373	21	3.90 +1.27
ABERDEEN,* The Meteorological Office.	95	29.655	29.754	62.1	50.9	56.5 -0.1	73	2nd	43	13th	56.9	3.5	*366	79	16
PAISLEY, The Coats Observatory.	107	29.660	29.776	65.4	53.3	59.3 0.0	73	12th	48	11, 12	57.9	3.5	*380	11	1.41 -1.40
GREENOCK,† J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	233	29.533	29.786	63.7	53.3	58.5 +0.9	69	2nd	47	12th	57.6	3.4	*383	19	3.04 -0.88
PERTH,† J. RITCHIE, The Museum.	22	29.731	29.755	66.9	52.7	59.8 +1.4	77	1st	46	21st	59.0	3.8	*390	77	18
Means . .	170	29.584	29.769	64.3	52.4	58.3 +0.4	..	..	..	57.7	3.6	*375	78	18	
															2.87 -0.12
															2
															3
															4
															5
															2

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† At 8 a.m. only.

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 14'.  
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 46'; Greenock, 4° 27'; Perth, 3° 25'; Mean, 3° 36'.

## MONTHLY RETURN

OF THE

# Births, Deaths, and Marriages

IN

## Sixteen of the Principal Towns of Scotland

AUGUST 1930.

*Published by Authority of the Registrar-General.*

### REPORT

During the month of August 1930 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 4063 living children, of whom 2049 were males, and 2014 were females. Compared with the number in the previous month, births of male children are 63 fewer, but those of female children are 26 more, the total number of births registered being 37 fewer.

The monthly birth-rate in these towns taken collectively was 19·7 per thousand. This rate is 0·2 below that for the previous month, and 0·3 below the August average.

In the individual towns the monthly birth-rate averaged 19·5 per thousand, and ranged from 25·6 in Coatbridge, 23·7 in Greenock, and 23·1 in Hamilton, to 14·3 in Kirkcaldy, 15·0 in Edinburgh, and 15·2 in Dunfermline. In Falkirk this rate was 21·9, in Glasgow 21·2, in Aberdeen and in Ayr 21·1, in Dundee 20·4, in Paisley 18·9, in Motherwell and Wishaw 18·4, in Perth 18·0, in Kilmarnock 17·8, and in Clydebank 17·0.

Of the 4063 living children whose births were registered during the month, 3819, or 94·0 per cent., were legitimate, while 244, or 6·0 per cent., were illegitimate. The legitimate children numbered 11 fewer than in the previous month, and the illegitimate children 26 fewer. The illegitimate rate of the month, 6·0 per cent., is 0·6 below that for the previous month. In the individual towns this rate ranged from 12·2 in Perth, 10·2 in Dunfermline, and 9·9 in Paisley, to 1·4 in Clydebank, 1·7 in Kilmarnock, and 3·0 in Ayr and in Falkirk. In Glasgow this rate was 6·0, in Edinburgh 6·2, in Dundee 6·6 and in Aberdeen 5·3.

Marriages registered in these towns during the month numbered 1440, and equalled a marriage-rate of 7·0 per thousand. This number is 1091 less than in the previous month. The rate is 5·3 below that for the previous month, but is the same as the August average. In the individual towns the monthly marriage-rate averaged 6·6 per thousand, and ranged from 12·1 in Aberdeen, 11·4 in Perth,

*NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the three preceding years.*

8·2 in Paisley, 8·1 in Dunfermline and 8·0 in Kilmarnock, to 1·9 in Clydebank, 3·3 in Motherwell and Wishaw, and 3·7 in Coatbridge. In Glasgow this rate was 6·7, in Edinburgh 7·9, and in Dundee 5·8.

Deaths registered in these towns during the month numbered 2293, and are 239 fewer than were registered in July. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 2149, and to include the deaths of 1132 males and of 1017 females. The corrected number is 211 less than in the previous month; that of males being 89 less, and of females 122 less.

The monthly death-rate in these towns taken collectively and based on the corrected number of deaths was 10·4 per thousand, being 1·1 less than in the previous month, and 0·8 below the August average. In the individual towns this death-rate averaged 9·8 per thousand, and ranged from 12·7 in Dundee, 12·6 in Kilmarnock, 11·7 in Perth and 11·6 in Coatbridge, to 6·9 in Hamilton, 7·8 in Dunfermline and in Kirkcaldy, and 7·9 in Clydebank. In Paisley it was 11·1, in Glasgow 10·7, in Edinburgh 10·3, in Greenock 9·8, in Aberdeen 9·6, in Motherwell and Wishaw 9·5, in Falkirk 8·9, and in Ayr 8·2.

Deaths of children of less than one year old numbered 273, and equalled an infantile mortality rate of 66 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths numbered 49 more than in the previous month, and the infantile mortality rate is 11 more than in that month, but is 2 below the August average. In the individual towns the monthly infantile mortality rate averaged 61 per thousand, and ranged from 109 in Kilmarnock, 101 in Paisley, and 97 in Coatbridge, to 17 in Kirkcaldy and in Falkirk, 34 in Ayr, and 36 in Clydebank. In Dundee it was 89, in Hamilton 85, in Glasgow and in Greenock 69, in Dunfermline 59, and in Edinburgh 54, in Motherwell and Wishaw 48, in Aberdeen 44, and in Perth 42.

Deaths from the principal epidemic diseases numbered 73, and equalled a death-rate from these causes of 0·4 per thousand. These deaths numbered 32 fewer than in the previous month, and 47 fewer than the August average. This is the smallest number of such deaths yet recorded in this series of reports, the previous lowest number having been 74 in November 1928. These deaths included 1 from enteric fever, 9 from measles, 4 from scarlet fever, 13 from whooping-cough, 8 from diphtheria, and 38 from the diarrhoeas of childhood. Compared with the numbers for the previous month, deaths from the diarrhoeas of childhood are 7 more, and those from enteric fever 1 more, but those from scarlet fever are 1 fewer, from diphtheria 6 fewer, from measles 16 fewer and from whooping-cough 17 fewer. In addition to these deaths one death from smallpox was registered in Aberdeen.

Deaths attributed to influenza either as the sole cause or along with some other stated cause numbered 4; in March these deaths numbered 57, in April 43, in May 27, in June 17, and in July 11.

Deaths attributed to respiratory diseases other than tubercular, but exclusive of those associated with influenza, in all numbered 244, and equalled a death-rate of 1·2 per thousand. Compared with the returns for the previous month these deaths are 35 fewer, and the death-rate is 0·2 less.

Deaths from all forms of tuberculous disease numbered 159, of which 115 were attributed to tuberculosis of the respiratory system. Compared with the number for the previous month, deaths from all forms of tuberculosis are 41 fewer, and those from tuberculosis of the respiratory system are 34 fewer. Compared with the August average the former are 40 fewer and the latter 25 fewer.

## METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

### AUGUST 1930.

Mean barometric pressure, 29.753 in.; less than the average of 1881-1915 by 0.106 in.

Mean temperature,  $58^{\circ}3$ ; greater by  $1^{\circ}1$ .

Mean daily range of temperature,  $11^{\circ}8$ ; less by  $2^{\circ}1$ .

Rain, depth in inches, 5.50; greater by 1.81 in.

Wind, direction of: a 3 days' excess of south-westerly winds.

Throughout most of the month, barometric pressure was generally below normal, this being due to the movement of depressions across or near the British Isles. During the last few days there was an increase both in pressure and temperature. The extremes of pressure at Edinburgh at mean sea level were 30.34 in. on 31st and 29.22 in. on 21st.

As in July the mean temperature was above normal and was due to the rather warm nights, the mean daily range of temperature being much below normal. The outstanding feature of the temperature records, however, was that of the very warm spell centred round the 27th, when in many places the highest maximum temperatures ever recorded in August were reached; the 27th was the warmest day of the present year. At Edinburgh it was the warmest August day since 1899, and the warmest one since July 1911; at Eskdalemuir the warmest since observatory records commenced in 1910, while at Ruthwell  $87^{\circ}$  F. was the highest temperature recorded in Scotland since that of  $88^{\circ}$  F. at Colmonell in August 1911. The highest maximum during the month at Deerness was only  $63^{\circ}$  F., at Wick  $65^{\circ}$  F., and at Lerwick  $66^{\circ}$  F. The lowest minimum temperatures were recorded on the 25th, when  $35^{\circ}$  F. was registered at Balmoral,  $37^{\circ}$  F. at Kettins and Braemar, and  $38^{\circ}$  F. at Logie Coldstone;  $38^{\circ}$  F. was also recorded at West Linton on the morning of the 6th. Other high temperatures on the 27th were  $86^{\circ}$  F. at Broomlands,  $85^{\circ}$  F. at Dumfries and Kilmarnock,  $83^{\circ}$  F. at North Berwick, Wolfelee and Eskdalemuir, and  $82^{\circ}$  F. at Edinburgh, Dunbar and Dungavel.

Rainfall was everywhere above the normal, the excess being over 200 per cent. in some eastern coastal districts. At Aberdeen and Arbroath it was the wettest August since 1877 and at Nairn since 1874. Over an inch of rain was recorded on five separate occasions at Ardgour, and on four at Glencoe, Achara (Duror) and Glenquoich. There were some very large daily falls, notably 3.83 inch at Threave on the 20th, and 3.15 in. at Inveraray on the 25th, the latter falling in a period of 12 hours. In many places there were only one or two dry days during the month, but at Ardnadam and Ben Alder Lodge some rain was measured every day.

Thunderstorms occurred somewhere or another on 21 days, namely, the 1st to 3rd, 5th to 8th, 11th to 13th, 18th to 21st, and 24th to 30th; associated with the thunderstorms were some heavy falls of rain or hail, flooding, structural damage to bridges and property, and laying of many cereal crops. The most widespread thunderstorms were those of the 2nd, 3rd, 19th, 27th, 28th and 29th, but they were confined largely to the eastern, southern and central sections of the country, the western and north-western districts practically escaping.

Gales were reported on the 2nd, 14th, 19th, 21st and 22nd, whilst fog occurred locally on 9 days. Sunshine aggregates in the east and north were, if anything, slightly above normal, whilst in the north-west and south there was a deficiency, the deficiency at Stornoway being as much as 33 hours.

**NOTE.**—The mean values refer to those of the Principal Towns named in meteorological Table on p. 64.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, AUGUST 1930.

TOWNS.	POPULATION		BIRTHS.					DEATHS.						
	Census 1921.	Estimated to middle of 1930.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.	MARRIAGES.	REGISTERED		TRANSFERS		Total Corrected.	
			Males.	Females.	Total.	Out.	In.		Males.	Females.	Total.	Out.	In.	
GLASGOW, . .	1,051,518	1,076,100	967	974	1941	1825	116	611	558	506	1064	140	55	979
EDINBURGH, . .	420,264	427,500	265	281	546	512	34	287	200	216	416	64	22	374
DUNDEE, . .	168,315	167,000	142	147	289	270	19	82	102	91	193	21	8	180
ABERDEEN, . .	158,963	158,800	141	144	285	270	15	163	67	70	187	32	25	130
PAISLEY, . .	84,837	87,900	79	62	141	127	14	61	43	38	81	10	12	83
GREENOCK, . .	81,133	81,900	80	85	165	151	14	32	42	23	65	3	6	68
MOTHERWELL AND WISHAW, .	68,869	70,900	60	51	111	107	4	20	32	15	47	0	10	57
CLYDEBANK, . .	46,601	49,300	43	23	71	70	1	8	6	9	15	1	19	33
COATBRIDGE, . .	43,919	44,700	58	39	97	91	6	14	23	17	40	0	4	44
DUNFERMLINE, .	39,899	37,900	27	22	49	44	5	26	14	14	28	5	2	25
KIRKCALDY, . .	39,591	39,400	21	27	48	46	2	25	12	14	26	3	3	26
HAMILTON, . .	39,504	40,800	46	34	80	77	3	16	9	8	17	0	7	24
KILMARNOCK, .	35,969	38,400	30	28	58	57	1	26	28	16	44	7	4	41
AYR, . .	35,763	37,500	28	39	67	65	2	21	17	22	39	16	3	26
FALKIRK, . .	34,419	35,600	40	26	66	64	2	17	26	7	33	6	0	27
PERTH, . .	33,208	32,100	22	27	49	43	6	31	24	24	48	19	3	32
TOTAL . . (SIXTEEN TOWNS)	2,382,772	2,425,800	2049	2014	4063	3819	244	1440	1203	1090	2293	327	183	2149

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, AUGUST 1930.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.			
				All Causes.		Regis- tered.	Corr. for Trans- fers.	Principal Epidemic Diseases.	All Tuber- culosis.	Tuber. of Respiratory System.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				All Causes.	Principal Epidemic Diseases.								
GLASGOW, . .	21·2	6·0	6·7	11·6	10·7	0·5	0·9	0·6	1·5	135	69		
EDINBURGH, . .	15·0	6·2	7·9	11·5	10·3	0·2	0·9	0·7	0·8	33	54		
DUNDEE, . .	20·4	6·6	5·8	13·6	12·7	0·3	0·7	0·6	1·9	26	89		
ABERDEEN, . .	21·1	5·3	12·1	10·2	9·6	0·0	0·6	0·5	0·7	12	44		
PAISLEY, . .	18·9	9·9	8·2	10·9	11·1	0·7	0·9	0·7	0·5	15	101		
GREENOCK, . .	23·7	8·5	4·6	9·3	9·8	0·4	0·7	0·7	0·9	11	69		
MOTHERWELL AND WISHAW, .	18·4	3·6	3·3	7·8	9·5	0·7	0·3	0·3	0·5	6	48		
CLYDEBANK, . .	17·0	1·4	1·9	3·6	7·9	0·2	0·5	0·5	1·0	3	36		
COATBRIDGE, . .	25·6	6·2	3·7	10·5	11·6	1·1	0·8	0·8	1·3	9	97		
DUNFERMLINE,	15·2	10·2	8·1	8·7	7·8	0·3	0·3	0·0	0·6	3	59		
KIRKCALDY, . .	14·3	4·2	7·5	7·8	7·8	0·0	0·3	0·3	0·3	1	17		
HAMILTON, . .	23·1	3·8	4·6	4·9	6·9	0·0	0·3	0·0	0·9	7	85		
KILMARNOCK,	17·8	1·7	8·0	13·5	12·6	0·3	1·2	0·9	0·9	7	109		
AYR, . .	21·1	3·0	6·6	12·3	8·2	0·3	0·3	0·3	0·6	2	34		
FALKIRK, . .	21·3	3·0	5·6	10·9	8·9	0·0	1·0	0·7	1·3	1	17		
PERTH, . .	18·0	12·2	11·4	17·6	11·7	0·0	0·0	0·0	1·1	2	42		
TOTAL . . (SIXTEEN TOWNS)	19·7	6·0	7·0	11·1	10·4	0·4	0·8	0·6	1·2	273	66		

\* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR AUGUST 1930, AND FOR THE CORRESPONDING MONTH OF THE PRECEDING TEN YEARS, IN THE PRINCIPAL TOWNS.

Month.	Birth-Rate.	DEATHS FROM												Mean Temperature, Seven Towns only).
		Illegitimate Birth- rate per 100 Births.	Marriage-Rate.		Death-Rate.		Enteric Fever.		Smallpox.	Measles.	Scarlet Fever.	Whooping- Cough.	Diphtheria.	Diarrhea (Under 2 Years).
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
AUG. 1930 .	19.7	6.0	7.0	10.4	1	0	9	4	13	8	38	66	53.3	
AUG. 1929 .	19.5	6.6	6.7	10.8	1	0	9	1	20	10	47	61	53.7	
AUG. 1928 .	20.2	6.7	6.7	11.4	1	0	4	2	42	7	51	77	57.5	
AUG. 1927 .	20.3	6.1	7.6	11.4	2	0	45	7	52	20	38	67	58.5	
AUG. 1926 .	20.7	6.2	7.1	10.8	2	0	5	7	16	13	76	61	59.1	
AUG. 1925 .	20.8	6.8	7.4	11.2	3	0	3	14	58	16	101	78	58.4	
AUG. 1924 .	21.6	7.0	6.9	10.8	0	0	20	18	48	21	62	77	56.2	
AUG. 1923 .	23.2	7.1	7.7	10.7	4	0	28	17	31	8	58	58	56.5	
AUG. 1922 .	24.1	6.5	7.5	10.5	0	0	26	4	28	18	35	54	54.8	
AUG. 1921 .	26.2	7.7	8.7	12.8	2	0	6	14	37	13	213	105	56.1	
AUG. 1920 .	27.5	9.0	10.6	11.9	3	13	6	11	26	18	85	69	55.5	

Figures in columns 5-13 have been corrected for non-resident deaths.

\* Per 1000 of the average number of births registered monthly during the past 12 months.

**AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS - August 1930.**

## Causes of Death.

DEATHS IN EACH TOWN (corrected for Transfers)—August 1930.

		CAUSES OF DEATH.		Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
Enteric Fever	...	1	1	1	1	1	1	1	1	1	1	1
Typhus Fever	...	...	...	...	...	...	...	...	...	...	...	...
Small-pox	...	1	...	...	...	...	...	1	1	1	1	1
Measles	...	9	4	3	3	1	1	1	1	1	2	1
Scarlet Fever	...	4	3	...	...	...	...	...	1	1	1	1
Whooping-cough	...	13	9	1	1	1	1	1	1	1	1	1
Diphtheria	...	8	5	...	...	...	...	...	1	1	1	1
Influenza	...	4	2	...	...	1	1	1	1	1	1	1
Encephalitis Lethargica	...	6	1	2	1	1	1	1	1	1	1	1
Cerebro-spinal Meningitis	...	7	5	1	2	1	1	1	1	1	1	1
Other Epidemic Diseases	...	12	5	2	1	2	1	2	1	1	1	1
Tuberculosis of Respiratory System	...	115	51	25	8	7	5	5	5	5	2	2
Tuberculous Meningitis	...	24	17	4	1	1	1	1	1	1	1	1
Tuber. of Intestines and Peritoneum	...	9	5	2	...	...	...	1	1	1	1	1
Other Tuberculous Disease	...	11	6	1	1	1	1	1	1	1	1	1
Malignant Tumours	...	318	133	65	25	23	12	12	14	10	10	2
Rheumatic Fever	...	5	3	1	...	...	...	...	...	...	...	1
Meningitis (not Cerebro-spinal or Tuber.)	...	5	...	1	...	...	...	...	...	2	...	1
Apoplexy	...	217	95	42	14	14	11	11	5	4	2	2
Heart Disease	...	283	108	59	31	21	9	9	7	9	9	5
Diseases of Arteries	...	32	12	4	7	4	...	...	...	...	...	...
Bronchitis	...	75	41	8	9	2	...	...	2	1	1	3
Pneumonia (all forms)	...	146	84	20	17	7	4	4	2	2	2	1
Other Diseases of Respiratory System	...	23	13	2	1	...	...	...	2	2	2	1
Diarrhoea and Enteritis (under 2 years)	...	38	21	2	4	...	...	...	2	2	2	2
Appendicitis	...	13	6	2	...	...	...	1	...	...	...	1
All Diseases of Liver (not Malignant)	...	21	10	4	3	1	2	2	1	1	1	1
Nephritis, Acute and Chronic	...	78	36	16	5	6	2	2	3	1	1	1
Puerperal Sepsis	...	10	6	1	...	1	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	29	16	7	1	...	1	1	...	...	...	1
Dis. of Early Infancy and Malformations	...	142	58	19	16	8	10	6	3	3	3	3
Suicide	...	30	11	7	4	1	3	...	1	1	1	1
Other Violent Deaths	...	101	44	22	5	7	4	4	3	3	3	2
Other Defined Diseases	...	337	156	50	24	22	9	12	17	17	17	7
Causes Ill-defined or Unknown	...	22	12	1	2	...	3	...	...	...	...	1
All Causes		2149	979	374	180	130	83	68	57	33		
AGE AT DEATH.												
Under 1	...	273	135	33	26	12	15	11	6	3		
1-4	...	96	55	12	5	6	3	1	3	2		
5-9	...	45	28	3	2	2	1	2	1	1		
10-14	...	24	16	3	...	...	...	1	1	1	1	2
15-24	...	101	39	21	11	5	9	3	3	3	3	2
25-34	...	131	57	29	5	8	5	3	3	3	3	3
35-44	...	152	73	23	14	5	7	1	1	1	3	5
45-54	...	248	117	48	22	10	5	11	7	7	7	1
55-64	...	291	136	37	27	27	8	8	14	11	11	1
65-74	...	470	200	90	43	26	22	10	10	12	12	8
75-84	...	268	98	65	23	24	7	7	10	6	6	5
85 and over	...	50	25	10	2	5	1	1	2	2	2	...
Not stated	...	...	...	...	...	...	...	...	...	...	...	...
All Ages		2149	979	374	180	130	83	68	57	33		

DEATHS IN EACH TOWN (corrected for Transfers)—August 1930—*continued.*

## CAUSES OF DEATH.

		Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
Enteric Fever	...	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...
Measles	...	...	...	...	...	...	...	...	...
Scarlet Fever	...	...	...	...	...	...	...	...	...
Whooping-cough	...	1	...	...	...	1	...	...	...
Diphtheria	...	...	...	...	...	...	...	...	...
Influenza	...	...	...	...	...	...	1	...	...
Encephalitis Lethargica	...	...	...	...	...	...	1	...	...
Cerebro-spinal Meningitis	...	...	...	1	...	...	...	...	...
Other Epidemic Diseases	...	...	...	...	...	...	...	...	1
Tuberculosis of Respiratory System	3	...	...	1	...	3	1	2	...
Tuberculous Meningitis	...	...	1	...	...	...	...	...	...
Tuber. of Intestines and Peritoneum	...	...	...	...	1	...	...	...	...
Other Tuberculous Disease	...	...	...	...	...	1	...	1	...
Malignant Tumours	5	3	5	2	7	3	4	5	...
Rheumatic Fever	...	...	...	...	1	...	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	...	...	...	...	1	...	...	...	...
Apoplexy	...	8	1	5	3	3	3	2	5
Heart Disease	...	5	4	4	5	5	2	4	5
Diseases of Arteries	...	...	...	1	1	1	...	1	1
Bronchitis	...	3	...	1	1	2	1	1	...
Pneumonia (all forms)	...	2	1	...	1	1	1	1	2
Other Diseases of Respiratory System	...	1	...	...	1	...	...	2	1
Diarrhoea and Entiritis (under 2 years)	3	1	...	...	...	...	1	...	...
Appendicitis	...	...	1	...	...	...	...	2	...
All Diseases of Liver (not Malignant)	...	...	...	...	...	...	...	...	...
Nephritis, Acute and Chronic	...	1	...	...	1	1	5	...	1
Puerperal Sepsis	...	...	...	...	...	1	...	...	1
Other Diseases and Accidents of Pregnancy and Parturition	...	2	...	...	...	...	...	1	...
Dis. of Early Infancy and Malformations	4	1	1	5	4	4	1	1	2
Suicide	...	...	1	1	...	...	...	...	1
Other Violent Deaths	...	4	...	1	...	3	2	1	...
Other Defined Diseases	...	3	11	5	2	5	5	4	5
Causes Ill-defined or Unknown	...	...	...	...	...	1	...	...	2
All Causes	...	44	25	26	24	41	26	27	32
AGE AT DEATH.									
Under 1	...	...	9	3	1	7	7	2	1
1-4	...	...	3	...	1	1	1	1	1
5-9	...	...	1	2	...	...	1	1	...
10-14	...	...	1	...	...	...	...	...	...
15-24	...	...	1	1	...	...	2	...	3
25-34	...	...	1	2	4	3	4	1	3
35-44	...	...	3	1	3	...	4	6	2
45-54	...	...	3	6	2	2	3	4	2
55-64	...	...	7	2	5	2	6	2	4
65-74	...	...	12	3	8	7	10	2	7
75-84	...	...	2	5	2	2	3	5	3
85 and over	...	...	1	...	...	...	2	1	...
Not stated	...	...	...	...	...	...	...	...	...
All Ages	...	44	25	26	24	41	26	27	32

## ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,  
During the Month of AUGUST 1930.

OBSERVERS.	AIR PRESSURE at 9 A.M. and 9 P.M.		AIR TEMPERATURE.		HYGROMETER.		RAIN, AND OTHER FORMS OF PRE- CIPITATION.		WIND DIRECTIONS																				
	Mean at Sea-Level and 32°.		Mean of Absolute Maximum and Minimum.		Mean at 9 A.M. and 9 P.M.		Difference from Average.		Number of Days.		Number of Observations at 9 A.M. and 9 P.M.																		
	Height of Barometer above Sea-level.	Mean at Station-level and 32°.	Mean of Maximum (A.)	Mean of Minimum (B.)	Dry Bulb.	Vapour Pressure.	Depression of Wet Bulb.	Humidity.	Total Fall.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.											
GLASGOW, Professor J. R. CURRIE, M.D., The University.	29.604	29.754	63.8	53.4	58.6	+1.5	80	27th	48	*	58.5	3.4	*403	79	25	5.64	+1.73	0	0	12	6	8	18	6	4				
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	29.300	29.773	64.0	51.6	57.8	+1.1	82	27th	46	6, 16	56.4	2.6	*378	84	21	5.18	+2.09	0	3	4	7	5	6	25	0	12			
DUNDEE, A. MACRAE, Curator of Cemeteries.	29.564	29.740	64.5	51.1	57.8	+0.5	71	28th	42	25th	57.1	2.6	*393	84	24	6.09	+2.71	0	0	0	0	0	0	34	0	6	0		
ABERDEEN, The Meteorological Office.	29.632	29.731	63.0	52.3	57.7	+1.4	74	27th	43	25th	57.1	2.7	*393	85	24	5.96	+3.22	4	1	6	7	11	2	8	8	15			
PAISLEY, The Coats Observatory.	29.648	29.764	64.6	52.8	58.7	+0.2	77	27th	48	6, 16, 19, 25	57.4	2.5	*396	85	26	4.79	+0.88	1	3	8	6	5	13	15	7	4			
GREENOCK, J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	29.522	29.755	63.1	52.8	57.9	+0.7	77	27th	47	6th	56.9	2.5	*396	85	27	6.82	+1.38	1	4	10	3	13	10	17	3	1			
PERTH, J. RITCHIE, The Museum.	29.709	29.733	66.3	52.6	59.5	+2.2	80	27th	40	6th	57.7	1.0	*456	94	22	4.05	+0.68	0	0	2	16	4	20	2	18	0			
Means . .	170	29.568	29.753	64.2	52.4	58.3	+1.1	..	..	..	..	..	57.3	2.5	*402	85	24	5.50	+1.81	1	2	6	9	7	13	12	7	5	

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North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 14'.  
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 57'; Paisley, 4° 27'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 36'.

\* At 7 A.M. and 6 P.M.  
† At 9 A.M. and 9 P.M.

For Official Use.

MONTHLY RETURN  
OF THE  
**Births, Deaths, and Marriages**  
IN  
**Sixteen of the Principal Towns of Scotland**  
SEPTEMBER 1930.

*Published by Authority of the Registrar-General.*

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## REPORT

During the month of September 1930 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 3821 living children, of whom 1944 were males, and 1877 were females. Compared with the number in the previous month, births of male children are 105 fewer and those of female children 137 fewer, the total number of births registered being 242 fewer.

The monthly birth-rate in these towns taken collectively was 19·2 per thousand. This rate is 0·5 below that for the previous month, but is 0·3 above the September average.

In the individual towns the monthly birth-rate averaged 18·6 per thousand, and ranged from 26·1 in Coatbridge, 21·6 in Dundee, and 21·5 in Greenock, to 11·9 in Dunfermline, and 15·7 in Kirkcaldy and in Falkirk. In Motherwell and Wishaw this rate was 20·8, in Hamilton 20·3, in Aberdeen 20·0, in Glasgow 19·8, in Clydebank 18·8, in Paisley 18·6, in Kilmarnock 17·1, in Ayr 16·9, in Edinburgh 16·8, and in Perth 16·3.

Of the 3821 living children whose births were registered during the month, 3554, or 93·0 per cent., were legitimate, while 267, or 7·0 per cent., were illegitimate. The legitimate children numbered 265 fewer than in the previous month, but the illegitimate children 23 more. The illegitimate rate for the month is 1·0 above that for the previous month. In the individual towns this rate ranged from 11·8 in Clydebank, 11·1 in Aberdeen, and 8·1 in Dunfermline, to 2·0 in Kirkcaldy, 2·9 in Hamilton, and 4·2 in Coatbridge. In Glasgow this rate was 7·1, in Edinburgh 7·5 and in Dundee 5·1.

Marriages registered in these towns during the month numbered 2029, and equalled a marriage-rate of 10·2 per thousand. This number is 589 more than in the previous month. The rate is 3·2 above that for the previous month, and 1·0 above the September average. It is the highest marriage-rate recorded for September since 1921. In the individual towns the monthly marriage-rate averaged

*NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the three preceding years.*

9·1 per thousand, and ranged from 14·4 in Falkirk, 12·8 in Aberdeen, 11·7 in Ayr, 11·3 in Edinburgh, 10·7 in Glasgow, and 10·6 in Perth, to 4·9 in Coatbridge, 5·8 in Motherwell and Wishaw, and 6·7 in Greenock. In Dundee this rate was 9·1.

Deaths registered in these towns during the month numbered 2422, and are 129 more than in August. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 2217, and to include the deaths of 1153 males and of 1064 females. The corrected number is 68 more than in the previous month; that of males being 21 more, and that of females 47 more.

The monthly death-rate in these towns taken collectively and based on the corrected number of deaths was 11·1 per thousand, being 0·7 above that for the previous month, but 0·1 below the September average. In the individual towns this death-rate averaged 9·9 per thousand, and ranged from 12·1 in Perth, 12·0 in Edinburgh, 11·9 in Dundee, 11·6 in Aberdeen, and 11·5 in Glasgow, to 6·2 in Clydebank and in Falkirk, 8·3 in Hamilton, 8·7 in Dunfermline, and 8·9 in Kirkcaldy. In Kilmarnock this death-rate was 11·1, in Greenock 10·8, in Paisley 10·7, in Coatbridge 10·1, in Ayr 9·4, and in Motherwell and Wishaw 9·1.

Deaths of children of less than one year old numbered 267, and equalled an infantile mortality rate of 66 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths numbered 6 fewer than in the previous month, and the infantile mortality rate is the same as in that month, but is 12 below the September average. In the individual towns the monthly infantile mortality rate averaged 54 per thousand, and ranged from 91 in Paisley, 82 in Kilmarnock, 78 in Greenock, 77 in Glasgow, and 76 in Coatbridge, to 0 in Ayr, 18 in Falkirk, 33 in Motherwell and Wishaw, and 37 in Clydebank. In Aberdeen this rate was 71, in Dundee 70, in Kirkcaldy 53, in Hamilton 51, in Edinburgh 44, in Perth 43, and in Dunfermline 42.

Deaths from the principal epidemic diseases numbered 107, and equalled a death-rate from these causes of 0·5 per thousand. These deaths numbered 34 more than in the previous month, but are 14 fewer than the September average. They included 2 from enteric fever, 5 from measles, 3 from scarlet fever, 16 from whooping-cough, 24 from diphtheria, and 57 from the diarrhoeas of childhood. Compared with the numbers for the previous month, deaths from the diarrhoeas of childhood are 19 more, from diphtheria 16 more, from whooping-cough 3 more, and from enteric fever 1 more, but those from scarlet fever are 1 fewer, and from measles 4 fewer.

Deaths attributed to influenza either as the sole cause or along with some other stated cause numbered 17; in July these deaths numbered 11, and in August 4.

Deaths attributed to respiratory diseases other than tubercular, but exclusive of those associated with influenza, in all numbered 247, and equalled a death-rate of 1·2 per thousand. Compared with the returns for the previous month this number is 3 more, but the rate is the same.

Deaths from all forms of tuberculous disease numbered 179, of which 125 were attributed to tuberculosis of the respiratory system. Compared with the numbers for the previous month, deaths from all forms of tuberculosis are 20 more, and those from tuberculosis of the respiratory system are 10 more. Compared with the September average the former are 3 more and the latter are 5 fewer.

# METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

SEPTEMBER 1930.

Mean barometric pressure, 29·899 in.; less than the average of 1881-1915 by 0·049 in.

Mean temperature, 54°·5; greater by 0°·9.

Mean daily range of temperature, 10°·5; less by 2°·9.

Rain, depth in inches, 4·47; greater by 1·73 in.

Wind, direction of: a 5 days' excess of winds from between north-east and south-east.

With an area of high pressure enveloping our Isles the weather throughout the opening few days of the month was typically anticyclonic, being in general dry, warm and sunny, but from 4th onwards to around 10th, with a series of depressions moving directly over our shores, conditions were in general of a more disturbed type. Around 11th the barometer again rose to a high level at which it remained until 18th, when a series of vigorous depressions passed directly over our land. From 25th onwards until 30th pressure was again high. On the whole the mean pressure was slightly below the average, and at Edinburgh the extremes at mean sea level were 30·44 in. on 27th and 28·92 in. on 20th.

As in the two preceding months the mean temperature was slightly above the average, and again this was due to the abnormally warm nature of the nights, the mean daily range of temperature being well below the normal. The first week was generally warm, and at Linlithgow on 5th the thermometer rose to 75° F., whilst at Kirkcaldy on the same day a reading of 71° F. was recorded. Other notable temperatures around this period were 72° F. at both Kilmarnock and Dumfries on 3rd. The highest temperature measured at Lerwick during the month was actually 58° F., this being registered on 12th, 21st and 24th. The coldest period of the month fell generally around the 9th and from 16th to 19th. At West Linton and Balmoral on the mornings of 9th and 16th respectively the thermometer in both cases fell to the 30° F. level, these being the lowest temperatures measured in Scotland during the month.

Over the greater portion of eastern and southern Scotland the rainfall was well above the normal, but in the north-west and west there was a slight deficiency. The wettest period of the month was from 17th to on or around 23rd, when, associated with a deep depression from the Atlantic, a severe rainstorm swept over Scotland. The most noteworthy falls within this period were 2·26 in. at Forest Lodge, Dalry, 2·18 in. at Carsphairn, 2·11 in. at Fintry, 2·25 in. at Milnathort and 2·07 in. at Pinmore, all of which falls occurred on 17th. In certain western districts there were further heavy falls on 23rd and 24th.

Thunderstorms occurred at some place or other on eight separate occasions, those being 3rd, 4th, 5th, 10th, 11th, 13th, 19th and 20th. The most severe were those of 10th and 19th, the former causing serious flooding in the Glasgow neighbourhood, whilst the latter chiefly affected West and Mid-Lothian.

Gales were reported on each day from 18th to 20th and again on each day from 23rd to 26th, whilst fog occurred more or less locally on 15 days.

Sunshine aggregates were everywhere well below the normal, and at Edinburgh it was the most sunless September since 1913.

Auroras were observed on 1st, 3rd, 18th, 21st, 24th and 26th, the display of 18th being particularly brilliant and visible as far south as Renfrew.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 72.

*Abstract.*

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, SEPTEMBER 1930.

TOWNS.	POPULATION		BIRTHS.					MARRIAGES.	DEATHS.					Total Corrected.
	Census 1921.	Estimated to middle of 1930.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		Males.	Females.	Total.	REGISTERED	TRANSFERS	
												Out.	In.	
GLASGOW, . . .	1,051,518	1,076,100	902	850	1752	1628	124	948	585	517	1102	129	47	1020
EDINBURGH, . . .	420,264	427,500	285	304	589	545	44	396	250	256	506	101	15	420
DUNDEE, . . .	168,315	167,000	145	151	296	281	15	125	83	91	174	14	3	163
ABERDEEN, . . .	158,963	158,800	133	128	261	232	29	167	83	86	169	34	16	151
PAISLEY, . . .	84,837	87,900	74	60	134	127	7	54	41	40	81	7	3	77
GREENOCK, . . .	81,133	81,900	66	79	145	136	9	45	48	26	74	4	3	73
MOTHERWELL AND WISHAW, . .	68,869	70,900	60	61	121	115	6	34	22	19	41	1	13	53
CLYDEBANK, . . .	46,601	49,300	44	32	76	67	9	32	6	8	14	1	12	25
COATBRIDGE, . . .	43,919	44,700	53	43	96	92	4	18	19	16	35	2	4	37
DUNFERMLINE, . .	39,899	37,900	22	15	37	34	3	24	13	14	27	7	7	27
KIRKCALDY, . . .	39,591	39,400	35	16	51	50	1	26	16	13	29	1	1	29
HAMILTON, . . .	39,504	40,800	31	37	68	66	2	24	14	11	25	2	5	28
KILMARNOCK, . . .	35,969	38,400	23	31	54	50	4	30	25	16	41	9	3	35
AYR, . . . .	35,763	37,500	21	31	52	48	4	36	29	15	44	16	1	29
FALKIRK, . . . .	34,419	35,600	25	21	46	43	3	42	12	8	20	3	1	18
PERTH, . . . .	33,208	32,100	25	18	43	40	3	28	18	22	40	11	3	32
TOTAL . . . (SIXTEEN TOWNS)	2,382,772	2,425,800	1944	1877	3821	3554	267	2029	1264	1158	2422	342	137	2217

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, SEPTEMBER 1930.

TOWNS.	Birth- Rate per 1000 of Popula- tion.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 OF POPULATION FROM					DEATHS UNDER ONE YEAR OF AGE.			
				All Causes.		Regis- tered.	Corr. for Trans- fers.	Principal Epidemic Diseases.	All Tuber- culosis.	Tuber. of Respiratory System.	All Re- spiratory Diseases.	
GLASGOW, . . .	19·8	7·1	10·7	12·5	11·5	0·7		1·0	0·7	1·5	146	77
EDINBURGH, . . .	16·8	7·5	11·3	14·4	12·0	0·4		1·2	0·9	1·1	26	44
DUNDEE, . . .	21·6	5·1	9·1	12·7	11·9	0·4		0·7	0·4	1·5	20	70
ABERDEEN, . . .	20·0	11·1	12·8	13·0	11·6	0·3		0·7	0·5	0·6	19	71
PAISLEY, . . . .	18·6	5·2	7·5	11·2	10·7	0·3		1·1	0·8	0·4	13	91
GREENOCK, . . .	21·5	6·2	6·7	11·0	10·8	1·3		0·9	0·6	1·2	12	78
MOTHERWELL AND WISHAW, . .	20·8	5·0	5·8	7·0	9·1	0·0		0·2	0·2	1·2	4	33
CLYDEBANK, . . .	18·8	11·8	7·9	3·5	6·2	0·5		0·0	0·0	1·5	3	37
COATBRIDGE, . . .	26·1	4·2	4·9	9·5	10·1	0·5		1·4	0·8	1·9	7	76
DUNFERMLINE, . .	11·9	8·1	7·7	8·7	8·7	0·3		0·6	0·3	0·3	2	42
KIRKCALDY, . . .	15·7	2·0	8·0	8·9	8·9	0·0		0·3	0·3	0·6	3	53
HAMILTON, . . .	20·3	2·9	7·1	7·4	8·3	0·0		0·3	0·3	0·9	4	51
KILMARNOCK, . . .	17·1	7·4	9·5	13·0	11·1	0·9		1·3	0·3	1·9	5	82
AYR, . . . .	16·9	7·7	11·7	14·3	9·4	0·0		0·3	0·3	1·0	0	0
FALKIRK, . . . .	15·7	6·5	14·4	6·8	6·2	0·3		0·7	0·3	1·4	1	18
PERTH, . . . .	16·3	7·0	10·6	15·1	12·1	0·0		0·0	0·0	0·8	2	43
TOTAL . . . (SIXTEEN TOWNS)	19·2	7·0	10·2	12·1	11·1	0·5		0·9	0·6	1·2	267	66

\* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR SEPTEMBER 1930, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM									* Infantile Mortality Rate.	Mean Temperature Seven Towns only.
					(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)		
(1)	(2)	(3)	(4)	(5)											
SEPT. 1930, .	19·2	7·0	10·2	11·1	2	0	5	3	16	24	57	66	54°·5		
SEPT. 1929, .	18·2	6·7	9·4	10·6	2	0	2	1	15	14	69	71	56°·3		
SEPT. 1928, .	18·5	6·8	9·2	11·2	1	0	1	3	31	19	64	81	52°·8		
SEPT. 1927, .	20·0	6·9	8·9	11·9	3	0	18	5	34	22	59	81	52°·1		
SEPT. 1926, .	20·2	5·7	8·9	11·1	5	0	3	14	10	20	97	80	54°·6		
SEPT. 1925, .	21·1	7·3	8·8	11·3	3	0	0	14	24	14	77	79	51°·2		
SEPT. 1924, .	21·4	5·9	9·2	12·0	1	0	23	26	46	27	76	79	53°·0		
SEPT. 1923, .	22·2	6·6	10·0	11·0	0	0	31	20	28	15	57	68	52°·3		
SEPT. 1922 .	23·7	7·7	9·5	10·9	2	0	15	9	32	13	43	65	52°·1		
SEPT. 1921, .	27·2	7·1	10·5	12·2	5	0	3	4	23	24	151	96	55°·3		
SEPT. 1920, .	26·6	7·5	12·8	12·1	4	12	5	10	10	24	96	73	53°·5		

Figures in columns 5-13 have been corrected for non-resident deaths.

\* Per 1000 of the average number of births registered monthly during the past 12 months.

### AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS — September 1930.

CAUSES OF DEATH.	Total.	Males.	Females.	Age.											
				-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over.
Enteric Fever	—	—	—	2	1	1	—	—	—	—	—	—	—	—	—
Pneumonia	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Small-pox	—	—	—	5	2	3	4	1	—	—	—	—	—	—	—
Mumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Measles	—	—	—	3	2	1	—	2	1	—	—	—	—	—	—
Scarlet Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Whooping-cough	—	—	—	16	7	9	5	11	—	—	—	—	—	—	—
Diphtheria	—	—	—	24	11	13	1	10	9	3	—	1	—	—	—
Influenza	—	—	—	17	11	6	—	2	—	2	—	3	3	2	4
Encephalitis Lethargica	—	—	—	4	1	3	—	—	—	—	—	1	1	2	—
Cerebro-spinal Meningitis	—	—	—	14	7	7	5	6	1	—	—	1	1	2	—
Other Epidemic Diseases	—	—	—	17	10	7	2	4	1	—	1	2	1	3	2
Tuberculosis of Respiratory System	—	—	—	125	64	61	—	4	1	27	30	29	17	10	5
Tuberculous Meningitis	—	—	—	27	11	16	5	9	8	—	1	2	1	1	—
Tuberculosis of Intestines and Peritoneum	—	—	—	10	6	4	1	1	—	3	1	1	1	2	—
Other Tuberculous Disease	—	—	—	17	8	9	1	4	1	—	4	2	1	2	—
Malignant Tumours	—	—	—	282	114	168	—	—	—	1	2	10	22	50	83
Arthritis	—	—	—	10	4	6	—	—	3	4	3	—	—	—	—
Measles	—	—	—	—	—	—	—	—	—	—	—	3	4	8	11
Whooping-cough	—	—	—	—	—	—	—	—	—	—	—	3	7	16	26
Tonsillitis	—	—	—	88	44	44	8	3	1	—	4	3	7	16	11
Pneumonia (all forms)	—	—	—	141	86	55	28	20	5	4	6	3	12	10	26
Other Diseases of Respiratory System	—	—	—	18	10	8	1	2	—	1	2	—	1	3	1
Diarrhoea and Enteritis (under 2 years)	—	—	—	57	42	15	49	8	—	—	—	—	—	—	—
Appendicitis	—	—	—	26	14	6	—	2	3	2	3	2	1	3	1
All Diseases of Liver (not Malignant)	—	—	—	28	11	17	—	—	1	1	1	3	4	9	6
Ephritis, Acute and Chronic	—	—	—	78	40	38	—	3	—	1	1	5	5	17	21
Uterine Sepsis	—	—	—	13	—	13	—	—	—	—	2	3	8	—	9
Other Dis. & Accidents of Preg. & Part.	—	—	—	14	—	14	—	—	—	2	2	5	7	—	—
Disorders of Early Infancy and Malform.	—	—	—	134	81	53	133	—	—	1	—	—	—	—	—
Suicide	—	—	—	32	25	7	—	—	—	3	1	10	9	5	1
Other Violent Deaths	—	—	—	109	74	35	2	8	10	4	13	9	8	17	18
Other Defined Diseases	—	—	—	817	169	148	20	16	4	5	10	13	22	23	46
Causes Ill-defined or Unknown	—	—	—	36	20	16	—	—	—	—	2	6	8	12	7
	2217	1153	1061	267	122	50	29	94	103	166	217	367	450	278	71

## DEATHS IN EACH TOWN (corrected for Transfers)—September 1930.

CAUSES OF DEATH.		Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
Enteric Fever	...	2	1	...	1	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...	...
Measles	...	5	4	1	...	...	...	...	...	...
Scarlet Fever	...	3	1	...	...	...	...	...	2	...
Whooping-cough	...	16	11	2	...	2	...	...	...	...
Diphtheria	...	24	9	8	2	1	...	1	...	1
Influenza	...	17	8	3	1	...	1	1	...	1
Encephalitis Lethargica	...	4	1	1	1	...	...	...	...	...
Cerebro-spinal Meningitis	...	14	10	3	...	...	...	...	1	1
Other Epidemic Diseases	...	17	5	3	3	3	...	1	1	...
Tuberculosis of Respiratory System	...	125	60	33	5	7	6	4	1	...
Tuberculous Meningitis	...	27	17	3	2	1	1	1	...	...
Tuber. of Intestines and Peritoneum	...	10	1	3	1	...	1	...	...	...
Other Tuberculous Disease	...	17	11	2	1	1	...	1	...	...
Malignant Tumours	...	282	135	55	28	20	10	5	5	1
Rheumatic Fever	...	10	7	2	...	...	1	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	...	11	5	1	...	1	2	...	1	...
Apoplexy	...	226	78	51	12	31	9	5	8	3
Heart Disease	...	295	118	63	24	17	15	8	13	1
Diseases of Arteries	...	27	12	5	4	4	...	...	...	...
Bronchitis	...	88	46	11	9	1	1	5	4	2
Pneumonia (all forms)	...	141	71	25	9	7	2	2	3	4
Other Diseases of Respiratory System	...	18	12	2	2	...	...	1	...	...
Diarrhoea and Enteritis (under 2 years)	...	57	37	2	2	1	2	6	...	1
Appendicitis	...	20	6	6	1	1	1	1	...	...
All Diseases of Liver (not Malignant)	...	28	13	6	4	2	...	1	...	...
Nephritis, Acute and Chronic	...	78	39	16	3	5	2	1	1	2
Puerperal Sepsis	...	13	8	2	1	...	2	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	14	10	...	1	1	...	...	...	...
Dis. of Early Infancy and Malformations	...	134	65	16	13	11	10	3	4	...
Suicide	...	32	12	8	1	5	1	1	2	...
Other Violent Deaths	...	109	52	15	8	5	2	8	2	2
Other Defined Diseases	...	317	133	68	23	24	7	14	5	7
Causes Ill-defined or Unknown	...	36	22	4	1	...	1	1	3	...
All Causes	...	2217	1020	420	163	151	77	73	53	25
AGE AT DEATH.										
Under 1	...	267	146	26	20	19	13	12	4	3
1-4	...	122	71	19	9	7	2	4	3	...
5-9	...	50	22	11	3	2	3	2	...	2
10-14	...	29	11	7	3	2	1	3	...	...
15-24	...	94	49	14	5	4	2	3	3	3
25-34	...	106	51	19	5	8	4	7	1	2
35-44	...	166	92	26	9	6	6	5	3	2
45-54	...	217	99	47	14	13	7	4	6	1
55-64	...	367	179	82	17	18	10	9	12	5
65-74	...	450	178	84	46	36	17	18	12	4
75-84	...	278	102	62	24	27	9	5	8	3
85 and over	...	71	20	23	8	9	3	1	1	...
Not stated	...	...	...	...	...	...	...	...	...	...
All Ages	...	2217	1020	420	163	151	77	73	53	25

DEATHS IN EACH TOWN (corrected for Transfers)—September 1930—*continued.*

## CAUSES OF DEATH.

			Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
Enteric Fever	...	...	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...	...
Measles	...	...	...	...	...	...	...	...	...	...
Scarlet Fever	...	...	...	...	...	...	...	...	...	...
Whooping-cough	...	...	1	...	...	...	...	...	...	...
Diphtheria	...	...	1	...	...	1	...	...	...	...
Influenza...	...	...	1	1	1	...	...	...	...	...
Encephalitis Lethargica	...	...	...	...	...	...	...	...	...	...
Cerebro-spinal Meningitis	...	...	...	...	...	1	...	...	...	...
Other Epidemic Diseases	...	...	...	...	1	...	...	...	...	...
Tuberculosis of Respiratory System	...	3	1	1	1	1	1	1	1	1
Tuberculous Meningitis	...	1	1	...	...	...	...	...	...	...
Tuber. of Intestines and Peritoneum	...	1	...	...	...	3	...	...	...	...
Other Tuberculous Disease	...	...	...	...	...	...	...	...	1	...
Malignant Tumours	...	2	3	4	1	4	1	...	...	8
Rheumatic Fever	...	...	...	...	...	...	...	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	...	2	3	2	6	3	2	5	...	1
Apoplexy...	...	...	...	...	...	...	...	...	...	6
Heart Disease	...	6	3	4	7	...	10	1	1	5
Diseases of Arteries	...	...	...	...	...	...	1	...	1	...
Bronchitis	...	3	...	1	...	3	1	...	...	1
Pneumonia (all forms)	...	4	1	1	3	3	2	3	...	1
Other Diseases of Respiratory System	...	...	...	...	...	...	...	...	...	...
Diarrhoea and Entiritis (under 2 years)	...	1	...	...	1	3	...	...	1	...
Appendicitis	...	1	1	1	...	...	...	...	...	1
All Diseases of Liver (not Malignant)	...	...	...	...	...	1	...	...	1	...
Nephritis, Acute and Chronic	...	1	1	2	...	2	2	...	...	1
Puerperal Sepsis	...	...	...	...	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	1	1	...	...	...	...	...	...	...
Dis. of Early Infancy and Malformations	...	3	1	3	2	1	...	...	...	2
Suicide	...	...	1	...	...	...	...	...	...	1
Other Violent Deaths	...	2	2	2	3	1	2	2	2	1
Other Defined Diseases...	...	3	6	6	3	6	8	1	1	3
Causes Ill-defined or Unknown	...	1	...	...	...	2	...	...	...	1
All Causes	...	37	27	29	28	35	29	18	32	
AGE AT DEATH.										
Under 1	...	...	7	2	3	4	5	...	1	2
1- 4	...	...	2	2	...	1	1	...	...	1
5- 9	...	...	1	1	1	1	...	1	...	...
10-14	...	...	...	...	1	...	...	1	...	...
15-24	...	...	2	...	1	1	2	1	1	3
25-34	...	...	1	2	1	1	1	2	1	1
35-44	...	...	8	3	...	...	2	2	1	1
45-54	...	...	2	3	4	3	4	4	2	4
55-64	...	...	4	3	4	11	5	2	4	2
65-74	...	...	7	6	8	5	10	8	4	7
75-84	...	...	3	5	5	1	5	5	4	10
85 and over	...	...	...	...	1	...	...	3	...	2
Not stated	...	...	...	...	...	...	...	...	...	...
All Ages	...	37	27	29	28	35	29	18	32	

## ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of SEPTEMBER 1930.

OBSERVERS.	AIR PRESSURE		AIR TEMPERATURE.		HYGROMETER.		RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS								
	at 9 A.M. and 9 P.M.		Mean of Absolute Maximum and Minimum.		Mean at 9 A.M. and 9 P.M.		Number of Days.		Number of Observations at 9 A.M. and 9 P.M.								
	Height of Barometer above Sea-level.	Mean at Sea-level and 32°.	Mean at Station-level and 32°.	Day of Month.	Humidity.	Dry Bulb.	Total Fall.	Difference from Average.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.
GLASGOW, Professor J. R. CURRIE, M.D., The University.	139	29.743	29.894	60·3	49·5	54·9	+1·4	67	5th	41	26th	54·9	3·0	.350	per cent.	14	4·81 +1·83
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29·431	29·910	58·5	49·5	54·0	+0·7	72	5th	45	19, 26	53·5	1·9	.353	87	20	4·16 +2·28
DUNDEE, A. MACRAE, Curator of Cemeteries.	164	29·708	29·886	59·8	48·9	54·3	+0·8	67	2nd	39	16th	53·7	2·2	.356	85	15	4·69 +2·61
ABERDEEN,* The Meteorological Office.	85	29·787	29·886	58·3	50·1	54·2	+1·2	69	23rd	42	16th	53·3	1·8	.356	89	18	4·53 +2·31
PAISLEY, The Coats Observatory.	107	29·782	29·909	60·9	49·0	54·9	0·0	68	8th	40	26th	54·3	2·5	.350	83	14	4·02 +1·01
GREENOCK,† J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	238	29·656	29·911	59·5	49·4	54·5	+0·7	66	5th	41	19th	53·9	2·7	.346	82	13	4·58 -0·17
PERTH,† J. RITCHIE, The Museum.	22	29·873	29·897	61·3	48·4	54·9	+1·6	71	5th	33	16th	53·3	2·3	.343	84	15	4·53 +2·30
Means . . .	170	29·711	29·899	59·8	49·3	54·5	+0·9	..	..	..	..	53·8	2·3	.351	84	16	4·47 +1·74

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North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 14'. West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Greenock, 4° 46'; Perth, 3° 36'. \* At 7 a.m. and 6 p.m. † At 9 a.m. and 6 p.m.

MONTHLY RETURN  
OF THE  
**Births, Deaths, and Marriages**  
IN  
**Sixteen of the Principal Towns of Scotland**

OCTOBER 1930.

*Published by Authority of the Registrar-General.*

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**REPORT**

During the month of October 1930 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 4220 living children, of whom 2151 were males, and 2069 were females. Compared with the number in the previous month, births of male children are 207 more and those of female children 192 more, the total number of births registered being 399 more.

The monthly birth-rate in these towns taken collectively was 20·5 per thousand. This rate is 1·3 above that for the previous month, and 0·3 above the October average.

In the individual towns the monthly birth-rate averaged 19·2 per thousand, and ranged from 24·5 in Hamilton, 24·2 in Coatbridge, and 22·5 in Glasgow, to 14·6 in Clydebank, 15·8 in Dunfermline, and 16·2 in Kilmarnock. In Greenock it was 21·9, in Aberdeen 21·3, in Paisley 21·0, in Motherwell and Wishaw 19·4, in Dundee 19·2, in Perth 19·1, in Edinburgh 17·3, in Falkirk 16·9, and in Kirkcaldy and in Ayr 16·7.

Of the 4220 living children whose births were registered during the month, 3949, or 93·6 per cent., were legitimate, while 271, or 6·4 per cent., were illegitimate. The legitimate children numbered 395 more than in the previous month, and the illegitimate children 4 more. The illegitimate rate for the month is 0·6 below that for the previous month. In the individual towns this rate ranged from 9·9 in Greenock, 8·4 in Dundee, 7·8 in Falkirk, and 7·7 in Perth, to 1·2 in Hamilton, 3·4 in Clydebank, and 3·6 in Kirkcaldy. In Glasgow this rate was 6·7, in Edinburgh 5·9, and in Aberdeen 6·6.

Marriages registered in these towns during the month numbered 1478, and equalled a marriage-rate of 7·2 per thousand. This number is 551 less than in the previous month. The rate is 3·9 below that for the previous month, and 0·8 below the October average. In the individual towns the monthly marriage-rate averaged 6·2 per thousand, and ranged from 8·8 in Ayr, 8·4 in Perth, 8·2 in

*NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the three preceding years.*

Aberdeen, and 8·0 in Edinburgh, to 2·6 in Clydebank, 4·2 in Paisley, and 4·3 in Falkirk. In Glasgow this rate was 7·8, and in Dundee 6·6.

Deaths registered in these towns during the month numbered 2581, and are 159 more than in September. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 2408, and to include the deaths of 1247 males and of 1161 females. The corrected number is 191 more than in the previous month, that of males being 94 more, and that of females 97 more.

The monthly death-rate in these towns taken collectively and based on the corrected number of deaths was 11·7 per thousand, being 0·6 above that for the previous month, but 1·3 below the October average. In the individual towns this death-rate averaged 10·6, and ranged from 15·9 in Kilmarnock, 14·3 in Perth, and 12·7 in Edinburgh, to 6·8 in Motherwell and Wishaw, 7·1 in Dunfermline, 8·3 in Falkirk, and 8·4 in Clydebank. In Dundee and in Paisley this rate was 12·3, in Glasgow 12·2, in Aberdeen 11·1, in Hamilton 10·7, in Greenock 10·2, in Coatbridge 9·2, in Ayr 9·1, and in Kirkcaldy 9·0.

Deaths of children of less than one year old numbered 310, and equalled an infantile mortality rate of 74 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths numbered 43 more than in the previous month, and the infantile mortality rate is 8 more than in that month, but is 10 below the October average. In the individual towns the monthly infantile mortality rate averaged 57 per thousand, and ranged from 107 in Paisley, 90 in Glasgow, and 87 in Motherwell and Wishaw, to 0 in Falkirk, 24 in Clydebank, 33 in Kirkcaldy, and 35 in Ayr. In Dundee this rate was 85, in Perth 82, in Coatbridge 73, in Hamilton 60, in Edinburgh 54, in Kilmarnock 48, in Greenock 44, in Aberdeen 43, and in Dunfermline 40.

Deaths from the principal epidemic diseases numbered 86, and equalled a death-rate from these causes of 0·4 per thousand. These deaths numbered 21 fewer than in the previous month, and 40 fewer than the October average. They included none from enteric fever, 5 from measles, 6 from scarlet fever, 17 from whooping-cough, 21 from diphtheria, and 37 from the diarrhoeas of childhood. Compared with the numbers for the previous month, deaths from scarlet fever are 3 more, and from whooping-cough 1 more, but those from measles number the same; while those from enteric fever are 2 fewer, from diphtheria 3 fewer, and from the diarrhoeas of childhood 20 fewer.

Deaths attributed to influenza either as the sole cause or along with some other stated cause numbered 16; in August these deaths numbered 4, and in September 17.

Deaths attributed to respiratory diseases other than tubercular, but exclusive of those associated with influenza, in all numbered 363, and equalled a death-rate of 1·8 per thousand. Compared with the returns for the previous month this number is 116 more, and the rate is 0·6 more, but the latter is 0·3 below the October average.

Deaths from all forms of tuberculous disease numbered 170, of which 122 were attributed to tuberculosis of the respiratory system. Compared with the numbers for the previous month, deaths from all forms of tuberculosis are 9 fewer, and those from tuberculosis of the respiratory system are 3 fewer. Compared with the October average the former are 31 fewer and the latter are 27 fewer.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

OCTOBER 1930.

Mean barometric pressure, 29·634 in.; less than the average of 1881-1915 by 0·214 in.

Mean temperature, 48°·8; greater by 1°·5.

Mean daily range of temperature, 9°·7; less by 1°·8.

Rain, depth in inches, 4·85; greater by 1·46 in.

Wind, direction of: a 5 days' excess of south-westerly winds.

An anticyclone moving eastwards across the British Isles gave mainly fair quiet weather during the first three days, but thereafter conditions under the influence of depressions and associated secondaries passing eastwards or north-eastwards across the country were mostly of a disturbed type, this being particularly so in western and north-western areas. At the end of the month the approach of a ridge of high pressure from the Atlantic brought about a considerable improvement. Barometric pressure was, however, well below normal, and the extremes at mean sea level at Edinburgh were 30·50 ins. on the 1st and 2nd and 28·93 ins. on the 8th.

The mean temperature, as in the preceding three months, was above the average, this being largely due to the frequency of warm southerly to south-westerly winds and the corresponding mild nights, the mean daily range of temperature being much below normal. The highest screen maximum temperatures occurred generally about the middle of the month, on the 15th 69° F. being recorded at Achnashellach, and 66° F. at Onich on both the 14th and 15th. The lowest minima were reported on the 31st, 24° F. being registered on that date at Braemar and 25° F. at Kettins and Balmoral. Ground frosts occurred locally between the 6th and 9th, and again during the last 10 days; the lowest grass minima were 17° F. at Leuchars and 19° F. at Arbroath, both on the 31st.

With the exception of small areas in the Dee and Don valleys, the Tay estuary and parts of districts adjoining the Firth of Forth, rainfall was generally well above the normal, the greatest excess occurring in the western part of the country lying between the Solway Firth and the Caledonian Canal; on the west there were several places with only one dry day, and at many only two such days. While total falls of 11 inches and upwards were frequent in the west, there were several in the east with less than 2 inches. Belhaven had only 1·24 ins. and Smeaton 1·45 ins. The largest daily falls were 2·61 ins. at Ardgour on 18th, and 2·20 ins. at Kinlochquoich on 30th. There were 8 days with over 1 inch at New Cumnock, 6 at Glencroie and 5 at Glen Etive, Kinlochquoich, Gruline, Nuthill (Lochgoilhead), Ardgour and Glenurich.

Thunderstorms were reported locally between 3rd and 5th, 11th and 14th, 19th and 20th and also on 24th, while gales occurred in places on the 5th, 8th, 12th and somewhere or other between the 14th and 21st, those between the 17th and 21st being most widespread.

There was local fog on a few days around the beginning, middle and end of the month.

Snow on the hilltops was noted in some north-western districts around the 9th, while from the 20th onwards the reports of snow or sleet were more frequent, but the falls were generally slight. Hail showers were of frequent occurrence.

Sunshine aggregates varied irregularly, but the tendency was for an excess over normal in the east and a deficiency in the west.

Aurora was observed on the 13th, 14th, 15th, 17th, 18th, 25th, 26th and 27th, those of 17th, 18th and 26th being most widely observed.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 80.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, OCTOBER 1930.

TOWNS.	POPULATION		BIRTHS.					MARRIAGES.	DEATHS.			Total Corrected.		
	Census 1921.	Estimated to middle of 1930.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		Registered	Transfers	Out.	In.		
GLASGOW,	1,051,518	1,076,100	5090	962	2052	1914	138	710	659	557	1216	141	40	1115
EDINBURGH,	420,264	427,500	316	312	628	591	37	291	263	264	527	83	16	460
DUNDEE,	168,315	167,000	143	130	273	250	23	94	98	92	190	21	6	175
ABERDEEN,	158,963	158,800	145	142	287	268	19	110	65	78	143	18	24	149
PAISLEY,	84,837	87,900	75	82	157	149	8	31	54	44	98	11	5	92
GREENOCK,	81,133	81,900	65	87	152	137	15	34	34	36	70	1	2	71
MOTHERWELL AND WISHAW,	68,869	70,900	61	56	117	111	6	35	14	20	34	0	7	41
CLYDEBANK,	46,601	49,300	29	32	61	59	2	11	13	8	21	4	18	35
COATBRIDGE,	43,919	44,700	43	49	92	87	5	18	16	11	27	0	8	35
DUNFERMLINE,	39,899	37,900	15	36	51	48	3	22	9	16	25	4	2	23
KIRKCALDY,	39,591	39,400	27	29	56	54	2	18	8	18	26	3	7	30
HAMILTON,	39,504	40,800	40	45	85	84	1	18	17	14	31	0	6	37
KILMARNOCK,	35,969	38,400	25	28	53	51	2	22	28	28	56	7	3	52
AYR,	35,763	37,500	25	28	53	51	2	28	19	17	36	12	5	29
FALKIRK,	34,419	35,600	29	22	51	47	4	13	14	13	27	7	5	25
PERTH,	33,208	32,100	23	29	52	48	4	23	32	22	54	16	1	39
TOTAL (SIXTEEN TOWNS)	2,382,772	2,425,800	2151	2069	4220	3949	271	1478	1343	1238	2581	328	155	2408

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, OCTOBER 1930.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.			
				All Causes.		Regis- tered.	Corr. for Trans- fers.	Principal Epidemic Diseases.	All Tuber- culosis.	Tuber. of Respiratory System.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				All Causes.	Principal Epidemic Diseases.								
GLASGOW,	22.5	6.7	7.8	18.3	12.2	0.6	0.8	0.5	2.0	179	90		
EDINBURGH,	17.3	5.9	8.0	14.5	12.7	0.2	0.8	0.7	1.9	33	54		
DUNDEE,	19.2	8.4	6.6	13.4	12.3	0.2	0.6	0.5	2.3	25	85		
ABERDEEN,	21.3	6.6	8.2	10.6	11.1	0.5	0.8	0.4	0.7	12	43		
PAISLEY,	21.0	5.1	4.2	13.1	12.3	0.4	0.8	0.4	2.0	16	107		
GREENOCK,	21.9	9.9	4.9	10.1	10.2	0.1	0.7	0.3	2.0	7	44		
MOTHERWELL AND WISHAW,	19.4	5.1	5.8	5.6	6.8	0.2	0.5	0.5	1.3	11	87		
CLYDEBANK,	14.6	3.4	2.6	5.0	8.4	0.2	1.7	1.4	1.2	2	24		
COATBRIDGE,	24.2	5.4	4.7	7.1	9.2	0.5	0.8	0.8	1.6	7	73		
DUNFERMLINE,	15.8	5.9	6.8	7.8	7.1	0.0	0.9	0.3	1.2	2	40		
KIRKCALDY,	16.7	3.6	5.4	7.8	9.0	0.0	1.5	1.5	0.6	2	33		
HAMILTON,	24.5	1.2	5.2	8.9	10.7	0.3	1.4	1.2	0.9	5	60		
KILMARNOCK,	16.2	3.8	6.7	17.2	15.9	0.6	1.5	1.2	2.5	3	48		
AYR,	16.7	3.8	8.8	11.3	9.1	0.0	1.3	0.9	0.9	2	35		
FALKIRK,	16.9	7.8	4.3	8.9	8.3	0.0	0.3	0.3	0.7	0	0		
PERTH,	19.1	7.7	8.4	19.8	14.3	0.0	0.7	0.7	1.1	4	82		
TOTAL (SIXTEEN TOWNS)	20.5	6.4	7.2	12.5	11.7	0.4	0.8	0.6	1.8	310	74		

\* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR OCTOBER 1930, AND FOR THE CORRESPONDING MONTH OF THE PRECEDING TEN YEARS, IN THE PRINCIPAL TOWNS.

Month.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								* Infant Mortality Rate.	Mean Temperature. Seven Towns only.	
					(6) Enteric Fever.	(7) Smallpox.	(8) Measles.	(9) Scarlet Fever.	(10) Whooping-Cough.	(11) Diphtheria.	(12) Diarrhoea (Under 2 Years).	(13)			
(1)	(2)	(3)	(4)	(5)											
OCT. 1930.	20.5	6.4	7.2	11.7	0	0	5	6	17	21	37	74	48°.8		
OCT. 1929.	19.2	7.2	8.1	13.0	0	0	7	3	8	35	58	84	47°.2		
OCT. 1928.	21.1	5.9	8.1	13.1	0	0	2	3	13	16	78	82	48°.0		
OCT. 1927.	20.3	6.2	7.7	13.0	1	0	50	8	27	31	42	87	49°.2		
OCT. 1926.	21.3	6.2	6.4	11.5	4	0	1	8	6	21	62	82	43°.8		
OCT. 1925.	22.7	6.7	6.7	12.7	3	0	9	22	17	25	53	95	49°.1		
OCT. 1924.	23.2	6.9	7.1	12.5	1	0	21	27	47	19	56	80	48°.0		
OCT. 1923.	24.3	6.4	8.4	11.6	0	0	46	24	18	20	46	66	47°.9		
OCT. 1922.	23.7	7.3	8.3	11.9	3	0	31	18	22	19	56	77	46°.5		
OCT. 1921.	26.8	7.5	8.6	12.7	2	0	1	12	20	21	115	89	52°.7		
OCT. 1920.	27.9	7.9	9.5	12.8	5	9	4	13	15	29	90	90	49°.1		

Figures in columns 5-13 have been corrected for non-resident deaths.

\* Per 1000 of the average number of births registered monthly during the past 12 months.

### AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—October 1930.

CAUSES OF DEATH.	Males.	Females.	Age.												
			-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over	
			Total.												
Enteric Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphus Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox	-	-	5	2	3	3	2	3	1	1	1	1	1	1	1
Mumps	-	-	6	2	4	-	-	-	-	-	-	-	-	-	-
Scarlet Fever	-	-	6	2	4	-	-	-	-	-	-	-	-	-	-
Whooping-cough	-	-	17	6	11	9	8	2	3	1	-	-	-	-	-
Diphtheria	-	-	21	9	12	-	9	10	-	1	1	1	1	1	1
Influenza	-	-	16	10	6	2	-	-	-	1	1	1	6	4	1
Encephalitis Lethargica	-	-	6	5	1	-	-	-	-	1	1	3	1	-	-
Cerebro-spinal Meningitis	-	-	9	6	3	4	3	-	-	2	-	-	-	-	-
Other Epidemic Diseases	-	-	13	10	3	1	2	-	1	1	1	1	2	2	1
Tuberculosis of Respiratory System	-	-	122	62	60	-	-	2	4	29	31	22	17	15	1
Tuberculous Meningitis	-	-	16	7	9	5	5	3	-	1	1	1	-	-	-
Tuberculosis of Intestines and Peritoneum	-	-	11	4	7	-	2	1	1	5	-	1	-	1	-
Other Tuberculous Disease	-	-	21	12	9	2	3	2	4	2	1	3	2	2	-
Malignant Tumours	-	-	288	130	158	-	-	-	-	1	8	20	34	91	98
Pneumatic Fever	-	-	9	3	6	-	1	-	2	5	1	-	-	-	-
Meningitis (not Cer.-spin. or Tuberc.)	-	-	8	3	5	2	3	1	-	1	-	1	-	-	-
Splexy	-	-	223	104	119	-	-	-	1	1	6	23	50	84	51
Heart Disease	-	-	344	167	177	-	1	2	2	8	6	22	34	73	93
Seas of Arteries	-	-	36	21	15	-	-	-	-	-	1	5	8	9	11
Ponchitis	-	-	114	62	52	14	4	-	1	3	7	3	16	30	27
Pneumonia (all forms)	-	-	215	137	178	56	19	3	1	10	8	13	17	20	45
Other Diseases of Respiratory System	-	-	34	20	14	6	2	-	1	1	3	4	7	6	3
Diarrhoea and Enteritis (under 2 years)	-	-	37	20	17	34	3	-	-	-	-	-	-	-	-
Apendicitis	-	-	16	10	6	-	1	2	5	1	2	1	3	1	-
All Diseases of Liver (not Malignant)	-	-	33	13	20	-	-	-	1	2	2	4	12	9	2
Nephritis, Acute and Chronic	-	-	67	32	35	-	-	1	-	2	4	5	17	15	16
General Sepsis	-	-	5	-	5	-	-	-	-	2	3	-	-	-	-
Other Dis. & Accidents of Preg. & Part.	-	-	21	-	21	-	-	-	6	10	5	-	-	-	-
Seas of Early Infancy and Malform.	-	-	152	87	65	113	3	1	-	-	-	-	-	-	-
Suicide	-	-	24	17	7	-	-	-	-	4	3	7	6	3	1
Other Violent Deaths	-	-	88	62	26	5	9	5	5	5	6	6	10	13	8
Other Defined Diseases	-	-	396	208	188	18	5	4	6	18	25	27	43	59	75
Causes Ill-defined or Unknown	-	-	35	16	19	1	1	-	-	2	2	3	9	8	7
	2408	1247	1161	310	87	39	30	104	119	154	233	406	495	347	84

## DEATHS IN EACH TOWN (corrected for Transfers)—October 1930.

CAUSES OF DEATH.										
		Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
Enteric Fever	...	...	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...	...
Small-pox	...	...	5	...	...	...	...	...	...	...
Measles	...	...	6	4	...	...	5	...	1	1
Scarlet Fever	...	...	...	17	15	1	...	...	...	...
Whooping-cough	...	...	21	12	3	1	2	1	...	...
Diphtheria	...	...	16	10	2	1	...	...	...	1
Influenza	...	...	6	2	1	1	...	...	...	1
Encephalitis Lethargica	...	...	9	7	2	...	...	...	1	...
Cerebro-spinal Meningitis	...	...	13	5	2	2	1	2	3	6
Other Epidemic Diseases	...	...	122	49	24	7	5	3	2	...
Tuberculosis of Respiratory System	...	...	16	8	1	...	2	1	2	...
Tuberculous Meningitis	...	...	11	6	1	...	3	...	...	...
Tuber. of Intestines and Peritoneum	...	...	21	10	3	1	1	2	1	1
Other Tuberculous Disease	...	...	288	124	66	23	17	15	9	4
Malignant Tumours	...	...	9	5	...	1	...	1	1	1
Rheumatic Fever	...	...	8	2	...	2	1	1	1	...
Meningitis (not Cerebro-spinal or Tuber.)	...	...	223	106	56	14	17	1	2	2
Apoplexy	...	...	344	137	73	23	30	21	9	8
Heart Disease	...	...	36	13	7	1	3	1	5	...
Diseases of Arteries	...	...	114	49	26	8	2	4	7	5
Bronchitis	...	...	215	117	34	21	6	11	6	2
Pneumonia (all forms)	...	...	34	13	9	4	1	...	1	...
Other Diseases of Respiratory System	...	...	37	26	4	2	...	2	...	1
Diarrhoea and Enteritis (under 2 years)	...	...	16	9	2	1	1	...	...	...
Appendicitis	...	...	33	7	9	...	6	2	...	2
All Diseases of Liver (not Malignant)	...	...	67	32	15	4	3	4	2	1
Nephritis, Acute and Chronic	...	...	5	2	1	1	...	...	...	...
Puerperal Sepsis	...	...	21	10	1	...	1	2	...	1
Other Diseases and Accidents of Pregnancy and Parturition	...	...	152	81	17	20	2	7	4	6
Dis. of Early Infancy and Malformations	...	...	24	9	5	1	3	2	...	1
Suicide	...	...	88	45	14	4	6	5	2	...
Other Violent Deaths	...	...	396	177	79	29	31	7	14	2
Other Defined Diseases	...	...	35	23	2	3	...	1	...	7
Causes Ill-defined or Unknown	...	...	2408	1115	460	175	149	92	71	41
All Causes	...	2408	1115	460	175	149	92	71	41	35
AGE AT DEATH.										
Under 1	...	310	179	33	25	12	16	7	11	2
1-4	...	87	50	12	4	2	3	7	2	...
5-9	...	39	21	4	3	3	3	1	...	1
10-14	...	30	20	3	2	2	1	2	...	...
15-24	...	104	47	17	6	7	4	7	1	4
25-34	...	119	54	19	6	6	6	3	2	3
35-44	...	154	73	28	16	11	3	2	1	2
45-54	...	233	110	37	15	16	7	5	6	6
55-64	...	406	190	84	28	21	17	8	5	3
65-74	...	495	216	119	31	23	14	17	8	10
75-84	...	347	127	81	33	38	16	6	5	3
85 and over	...	84	28	23	6	8	2	6	...	1
Not stated	...	...	...	...	...	...	...	...	...	...
All Ages	...	2408	1115	460	175	149	92	71	41	35

DEATHS IN EACH TOWN (corrected for Transfers)—October 1930—*continued.*

CAUSES OF DEATH.									
		Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
Enteric Fever	...	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...
Measles	...	...	...	...	...	...	...	...	...
Scarlet Fever	...	...	...	...	...	...	...	...	...
Whooping-cough	...	1	...	...	...	...	...	...	...
Diphtheria	...	...	...	...	1	1	...	...	...
Influenza	...	...	...	...	...	2	...	...	...
Encephalitis Lethargica	...	...	...	1	...	...	...	...	...
Cerebro-spinal Meningitis	...	...	...	...	...	...	...	...	...
Other Epidemic Diseases	...	...	...	...	...	1	...	...	1
Tuberculosis of Respiratory System	...	3	1	5	4	4	3	1	2
Tuberculous Meningitis	...	...	...	...	1	1	...	...	...
Tuber. of Intestines and Peritoneum	...	...	1	...	...	...	...	...	...
Other Tuberculous Disease	...	...	1	...	...	...	1	...	...
Malignant Tumours	...	4	2	3	3	8	1	2	4
Rheumatic Fever	...	...	...	...	...	...	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	...	...	...	6	1	4	3	2	5
Apoplexy	...	...	1	7	4	6	5	6	7
Heart Disease	...	2	1	1	1	1	1	1	1
Diseases of Arteries	...	1	1	1	1	...	...	...	...
Bronchitis	...	3	2	2	2	3	1	...	...
Pneumonia (all forms)	...	2	1	...	1	4	2	1	2
Other Diseases of Respiratory System	1	1	...	...	...	1	...	1	1
Diarrhoea and Entiritis (under 2 years)	1	...	...	1	...	1	...	...	...
Appendicitis	...	...	...	1	1	...	1	...	...
All Diseases of Liver (not Malignant)	1	...	...	...	1	3	...	...	1
Nephritis, Acute and Chronic	...	1	...	...	1	1	...	1	2
Puerperal Sepsis	...	...	...	...	...	1	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	2	...	...	1	...	1	1	1
Dis. of Early Infancy and Malformations	3	2	2	4	1	...	...	...	3
Suicide	...	...	1	...	...	...	...	1	1
Other Violent Deaths	...	2	...	1	...	3	2	1	1
Other Defined Diseases	...	7	2	4	6	8	7	10	6
Causes Ill-defined or Unknown	...	1	...	1	2	...	...	...	2
All Causes		35	23	30	37	52	29	25	39
AGE AT DEATH.									
Under 1	...	7	2	2	5	3	2	...	4
1-4	...	1	...	3	2	1	...	...	...
5-9	...	...	...	1	1	...	...	1	...
10-14	...	...	...	...	...	...	...	...	...
15-24	...	2	2	2	1	...	1	2	1
25-34	...	...	1	2	1	11	2	1	2
35-44	...	4	...	2	...	5	3	3	1
45-54	...	6	3	3	6	3	4	3	3
55-64	...	3	1	2	11	11	4	6	12
65-74	...	6	8	7	8	7	9	4	8
75-84	...	4	6	7	1	7	2	5	6
85 and over	...	2	...	3	...	2	1	...	2
Not stated	...	...	...	...	...	...	...	...	...
All Ages		35	23	30	37	52	29	25	39

## ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,  
During the Month of OCTOBER 1930.

OBSERVERS.	AIR PRESSURE		AIR TEMPERATURE.		HYGROMETER.		RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS														
	at 9 A.M. and 9 P.M.		Mean of Absolute Maximum and Minimum.		Mean at 9 A.M. and 9 P.M.		Number of Days.		Number of Observations at 9 A.M. and 9 P.M.														
	Mean of Maximum (A.)	Minimum (B.)	Day of Month.	Day of Month.	Dry Bulb.	Vapour Pressure.	Depression of Wet Bulb.	Humidity.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.						
GLASGOW, Professor J. R. CURRIE, M.D., The University.	29.654	53.7	45.2	49.5 +2.1	62	15th	36	27th	49.6	2.6	·296	·2	6	2	8	16	20	4	4				
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	29.647	53.5	43.5	48.5 +1.1	63	15th	36	9, 26, 31	48.1	2.1	·283	84	27	3.17 +0.57	0	1	2	3	11	20	1	11	
DUNDEE, A. MACRAE, Curator of Cemeteries.	29.620	53.0	42.9	47.9 +1.2	61	15th	30	31st	47.1	1.9	·278	85	20	2.77 +0.11	0	7	0	6	0	42	0	7	0
ABERDEEN,* The Meteorological Office.	29.588	53.1	43.6	48.3 +1.0	62	4, 16	32	27, 31	47.3	2.3	·270	83	24	3.05 +0.05	1	0	2	2	22	3	14	4	9
PAISLEY, The Coats Observatory.	29.641	53.9	44.5	49.2 +0.8	62	15th	34	27th	48.9	1.9	·300	86	28	6.56 +2.82	1	2	4	4	12	17	14	4	4
GREENOCK,† J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	29.668	53.4	44.9	49.1 +1.6	61	14, 15	37	9th	48.8	2.3	·293	83	29	10.17 +4.79	0	7	5	4	17	13	13	3	0
PERTH,† J. RITCHIE, The Museum.	29.620	55.4	43.4	49.4 +3.0	62	14, 15	28	31st	48.7	2.7	·280	80	23	2.76 -0.19	2	4	2	5	0	41	2	6	0
Means	29.446	53.7	44.0	48.8 +1.5	..	..	..	..	48.4	2.3	·286	83	25	4.85 +1.46	1	3	3	4	10	21	12	4	4

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# MONTHLY RETURN

OF THE

# Births, Deaths, and Marriages

IN

## Sixteen of the Principal Towns of Scotland

NOVEMBER 1930.

*Published by Authority of the Registrar-General.*

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## REPORT

During the month of November 1930 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 3650 living children, of whom 1830 were males, and 1820 were females. Compared with the number in the previous month, births of male children are 321 fewer, those of female children 249 fewer, and those of both sexes 570 fewer.

The monthly birth-rate in these towns taken collectively was 18·3 per thousand. This rate is 2·2 less than in the previous month, and 1·0 less than the November average.

In the individual towns the monthly birth-rate averaged 17·8, and ranged from 25·3 in Coatbridge, 22·2 in Falkirk, and 20·9 in Greenock, to 11·9 in Dunfermline, 12·5 in Perth, and 15·6 in Edinburgh. In Glasgow it was 19·6, in Hamilton 18·8, in Dundee 18·4, in Paisley 17·9, in Clydebank 17·8, in Aberdeen 17·6, in Ayr 17·2, in Motherwell and Wishaw 16·8, in Kilmarnock 16·1, and in Kirkcaldy 15·7.

Of the 3650 living children whose births were registered during the month, 3429, or 93·9 per cent., were legitimate, while 221, or 6·1 per cent., were illegitimate. The legitimate children numbered 521 fewer than in the previous month, and the illegitimate children 49 fewer. The illegitimate rate for the month is 0·3 below that for the previous month. In the individual towns the illegitimate rate ranged from 9·8 in Kirkcaldy, 9·8 in Kilmarnock, and 9·7 in Clydebank, to 1·5 in Falkirk, 3·0 in Perth, and 3·8 in Ayr. In Glasgow the rate was 6·1, in Edinburgh 4·0, and in Dundee 7·9.

Marriages registered in these towns during the month numbered 1208, and equalled a marriage-rate of 6·1 per thousand. This number is 270 less than in the previous month. The rate is 1·1 less than in the previous month, but 0·1 above the November average. In the individual towns the monthly marriage-rate averaged 5·3, and ranged from 8·9 in Aberdeen, 7·9 in Kilmarnock, and 6·6 in Glasgow, to 3·1 in Motherwell and Wishaw, 3·4 in Kirkcaldy, and 3·4 in Falkirk. In Edinburgh the rate was 5·8, and in Dundee 5·0.

*NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the three preceding years.*

Deaths registered in these towns during the month numbered 2807, and are 226 more than in October. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 2627, and to include the deaths of 1332 males and of 1295 females. The corrected number is 219 more than in the previous month, males being 85 more, and females 134 more.

The monthly death-rate in these towns taken collectively and based on the corrected number of deaths was 13·2 per thousand, being 1·5 above that for the previous month, but 0·3 below the November average. In the individual towns this death-rate averaged 12·7, and ranged from 16·9 in Dundee, 15·4 in Paisley and 14·4 in Falkirk, to 9·6 in Motherwell and Wishaw, 9·9 in Clydebank and 10·3 in Dunfermline. In Hamilton this rate was 14·3, in Glasgow 13·6, in Coatbridge 13·3, in Kilmarnock 13·0, in Aberdeen 12·7, in Perth 12·5, in Kirkcaldy 12·3, in Edinburgh 11·9, in Greenock 11·9 and in Ayr 11·0.

Deaths of children of less than one year old numbered 392, and equalled an infantile mortality rate of 97 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths numbered 82 more than in the previous month, and the infantile mortality rate is 23 more than in that month, but 1 less than the November average. In the individual towns the monthly infantile mortality rate averaged 82 per thousand, and ranged from 161 in Coatbridge, 140 in Dundee, and 140 in Paisley, to 21 in Dunfermline, 34 in Kirkcaldy, and 36 in Ayr. In Glasgow this rate was 107, in Clydebank 101, in Kilmarnock 98, in Hamilton 88, in Aberdeen 83, in Edinburgh 71, in Motherwell and Wishaw 66, in Greenock 65, in Falkirk 53, and in Perth 43.

Deaths from the principal epidemic diseases numbered 95, and equalled a death-rate from these causes of 0·5 per thousand. These deaths numbered 9 more than in the previous month, but 34 fewer than the November average. They included 2 from enteric fever, 11 from measles, 5 from scarlet fever, 23 from whooping-cough, 19 from diphtheria, and 35 from the diarrhoeas of childhood. Compared with the numbers for the previous month, deaths from measles are 6 more, from whooping-cough 6 more, and from enteric fever 2 more, but those from scarlet fever are 1 fewer, from diphtheria 2 fewer, and from the diarrhoeas of childhood 2 fewer.

Deaths attributed to influenza either as the sole cause or along with some other stated cause numbered 34; in September these deaths numbered 17 and in October 16.

Deaths attributed to respiratory diseases other than tubercular, but exclusive of those associated with influenza, in all numbered 498, and equalled a death-rate of 2·5 per thousand. Compared with the returns for the previous month this number is 135 more, and the rate is 0·7 more, but the latter is 0·2 below the November average.

Deaths from all forms of tuberculous disease numbered 170, of which 124 were attributed to tuberculosis of the respiratory system. Compared with those for the previous month, deaths from all forms of tuberculosis numbered the same, while compared with the November average they are 18 fewer. Deaths from tuberculosis of the respiratory system are 2 more than in the previous month, but 19 fewer than the November average.

# METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

## NOVEMBER 1930.

Mean barometric pressure, 29.708 in.; less than the average of 1881-1915 by 0.113 in.

Mean temperature,  $40^{\circ}5$ ; less by  $1^{\circ}7$ .

Mean daily range of temperature,  $10^{\circ}1$ ; greater by  $0^{\circ}4$ .

Rain, depth in inches,  $4.72$ ; greater by  $1.19$  in.

Wind, direction of: a 4 days' excess of south-westerly winds.

With the approach of a depression from the Atlantic the weather situation became rather disturbed at the beginning of the month and continued so during the first week, but during the second week with pressure low to the north and high to the south of the British Isles, apart from the interruptions caused by secondaries moving eastwards, conditions were somewhat more settled. The latter half of the month was, however, again unsettled, depressions and associated secondaries dominating the situation. The mean barometric pressure was below the normal; the extremes at mean sea level at Edinburgh were 30.61 in. on the 11th and 29.44 on the 2nd.

While the mean daily range of temperature was greater than the average for the month, the mean temperature was below normal, it being the coldest November in Scotland since 1925. The highest temperatures were recorded on the 13th, Aberdeen having on that day  $63^{\circ}$  F. and Stonehaven  $61^{\circ}$  F. The lowest minima were generally recorded about the 6th, 18th and 30th; on the 5th the screen minimum was  $15^{\circ}$  F. at West Linton, on the 6th  $19^{\circ}$  F. at Perth, on the 18th  $14^{\circ}$  F. at Braemar and Balmoral, and on both the 6th and 30th  $19^{\circ}$  F. at Renfrew. Ground frosts occurred somewhere or other on all mornings except the 9th and 26th; the lowest grass minimum temperatures were at Balmoral  $8^{\circ}$  F. on the 6th and  $10^{\circ}$  F. on the 5th and 18th; at Craibstone  $8^{\circ}$  F. on 18th; at Braemar and Logie Coldstone  $9^{\circ}$  F. on the 18th.

Rainfall was, with exception of small areas in southern Perthshire, in the upper reaches of the Dee and very locally in Ross shire, above the average, the excess in the eastern and northern districts being generally greater than in the western. There were five days with falls of over one inch at Ardgour, Glenquoich, Glencroft, Achfary, Glenorchy Manse and Castle Lachlan, while at Kinlochquoich there were six days with over an inch. The largest individual daily falls were centred around the 8th, 12th and 14th; on the 8th 3.00 in. fell at Kinlochquoich, 3.18 in. at Ardgour and 3.20 in. at Glenorchy Manse; on the 12th 3.01 in. at Loch Carron and 3.32 in. at Glenquoich; and on the 14th 3.73 in. at Kinlochquoich. Of the five days with more than 1 inch at Glenquoich, four of them had more than 2 inches. At Baltasound in Shetland and at Gruline in Mull rain fell on each day of the month.

Thunder storms occurred locally in the Shetlands on 2nd, in the Orkneys on the 10th and Kirkcudbrightshire on the 25th. Fog was reported from various centres on 15 days, that between the 28th and 30th being dense in the River Clyde area. Gales were also reported on 15 days, being most frequent during the first fortnight and again from the 20th to 25th. On the 10th at Kirkwall there was recorded a gust of 80 miles per hour.

Snow, sleet or hail was reported every day excepting the 12th, 13th, and from 26th to 29th; the most frequent reports of snow were from northern districts between 2nd and 5th, and more generally from 15th to 19th and again from 21st to 23rd. The most widespread falls occurred on the 18th and again on 22nd. On 22nd the snow lay to a depth of 8 inches at Ardlarach and on the 23rd 7 inches at Braemar.

Sunshine aggregates were generally above the normal.

Aurora was observed on 3rd, 11th, 14th, 15th, 16th, and between 23rd and 27th; those of 3rd, 14th, 23rd and 25th were most widely observed, being reported on the 3rd and 26th from as far south as Eskdalemuir.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 88.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, NOVEMBER 1930.

TOWNS.	POPULATION		BIRTHS.					MARRIAGES.	DEATHS.			In.	Total Corrected.	
	Census 1921.	Estimated to middle of 1930.	Males.	Females.	Total.	Legiti-mate.	Illegiti-mate.		Registered	Transfers				
								Males.	Females.	Total.	Out.			
GLASGOW, . . .	1,051,518	1,076,100	875	859	1734	1628	106	580	679	623	1302	129	33	1206
EDINBURGH, . . .	420,264	427,500	260	287	547	525	22	205	252	229	481	77	13	417
DUNDEE, . . .	168,315	167,000	118	135	253	233	20	69	109	132	241	13	4	232
ABERDEEN, . . .	158,963	158,800	126	104	230	208	22	116	76	94	170	25	21	166
PAISLEY, . . .	84,837	87,900	59	70	129	123	6	34	60	55	115	9	5	111
GREENOCK, . . .	81,133	81,900	82	59	141	135	6	44	49	36	85	7	2	80
MOTHERWELL AND WISHAW, . .	68,869	70,900	52	46	98	91	7	18	21	23	44	0	12	56
CLYDEBANK, . . .	46,601	49,300	42	30	72	65	7	19	8	15	23	1	18	40
COATBRIDGE, . . .	43,919	44,700	44	49	93	89	4	19	24	19	43	1	7	49
DUNFERMLINE, . . .	39,899	37,900	19	18	37	35	2	14	16	21	37	8	3	32
KIRKCALDY, . . .	39,591	39,400	19	32	51	46	5	11	17	25	42	6	4	40
HAMILTON, . . .	39,504	40,800	30	33	63	58	5	15	26	17	43	3	8	48
KILMARNOCK, . . .	35,969	38,400	27	24	51	46	5	25	24	20	44	9	6	41
AYR, . . . .	35,763	37,500	25	28	53	51	2	19	15	32	47	16	3	34
FALKIRK, . . . .	34,419	35,600	35	30	65	64	1	10	22	23	45	8	5	42
PERTH, . . . .	33,208	32,100	17	16	33	32	1	10	23	22	45	12	0	33
TOTAL . . . . (Sixteen Towns)	2,382,772	2,425,800	1830	1820	3650	3429	221	1208	1421	1386	2807	324	144	2627

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, NOVEMBER 1930.

TOWNS.	Birth- Rate per 1000 of Popula- tion.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Princi- pal Epidemic Diseases.	All Tuber- culosis.	Tuberc. of Respiratory System.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Regis- tered.	Corr. for Trans- fers.						
GLASGOW, . . .	19·6	6·1	6·6	14·7	13·6	0·7	1·0	0·8	3·1	204	107
EDINBURGH, . . .	15·6	4·0	5·8	13·7	11·9	0·1	0·7	0·5	1·7	42	71
DUNDEE, . . .	18·4	7·9	5·0	17·6	16·9	0·2	0·7	0·8	3·9	40	140
ABERDEEN, . . .	17·6	9·6	8·9	13·0	12·7	1·2	0·7	0·6	1·9	22	83
PAISLEY, . . .	17·9	4·7	4·7	15·9	15·4	0·1	1·1	0·7	2·5	20	140
GREENOCK, . . .	20·9	4·3	6·5	12·6	11·9	0·1	1·2	1·0	1·9	10	65
MOTHERWELL AND WISHAW, . .	16·8	7·1	3·1	7·6	9·6	0·3	0·9	0·5	1·2	8	66
CLYDEBANK, . . .	17·8	9·7	4·7	5·7	9·9	0·0	1·2	1·0	2·2	8	101
COATBRIDGE, . . .	25·3	4·3	5·2	11·7	13·3	0·8	0·5	0·5	3·3	15	161
DUNFERMLINE, . . .	11·9	5·4	4·5	11·9	10·3	0·0	0·6	0·6	1·6	1	21
KIRKCALDY, . . .	15·7	9·8	3·4	13·0	12·3	0·0	0·9	0·3	1·2	2	34
HAMILTON, . . .	18·8	7·9	4·5	12·8	14·3	0·9	1·5	0·6	1·5	7	88
KILMARNOCK, . . .	16·1	9·8	7·9	13·9	13·0	0·6	0·0	0·0	2·5	6	98
AYR, . . . .	17·2	3·8	6·2	15·3	11·0	0·0	0·3	0·3	0·3	2	36
FALKIRK, . . .	22·2	1·5	3·4	15·4	14·4	0·0	0·3	0·3	0·7	3	53
PERTH, . . . .	12·5	3·0	3·8	17·0	12·5	0·0	0·0	0·0	0·8	2	43
TOTAL . . . . (Sixteen Towns)	18·3	6·1	6·1	14·1	13·2	0·5	0·9	0·6	2·5	392	97

\* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR NOVEMBER 1930, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								* Infantile Mortality Rate.	Mean Temperature. Seven Towns only).
					(6)	Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Diarrhoea (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(13)	(14)
NOV. 1930, .	18.3	6.1	6.1	13.2	2	0	11	5	23	19	35	97	40°.5	
NOV. 1929, .	18.6	6.2	5.9	12.8	0	0	24	4	15	30	37	78	42°.6	
NOV. 1928, .	19.9	6.4	5.8	13.2	1	0	3	6	12	21	31	95	44°.3	
NOV. 1927, .	19.5	6.5	6.2	14.4	1	0	81	15	17	34	55	119	42°.3	
NOV. 1926, .	21.2	5.6	6.2	15.5	3	0	5	11	8	28	41	111	40°.9	
NOV. 1925, .	21.4	5.9	6.6	16.1	2	0	35	21	18	40	38	126	37°.8	
NOV. 1924, .	21.1	6.8	6.2	15.1	0	0	60	29	77	29	47	103	44°.2	
NOV. 1923, .	22.8	5.8	5.6	13.5	3	0	119	16	35	37	31	78	38°.1	
NOV. 1922, .	21.9	6.7	6.6	14.9	5	0	75	18	52	33	40	102	43°.3	
NOV. 1921, .	25.2	6.9	7.1	14.4	6	0	4	17	11	22	67	84	40°.3	
NOV. 1920, .	26.9	7.5	10.2	15.6	5	4	7	16	21	45	76	110	45°.5	

Figures in columns 5-13 have been corrected for non-resident deaths.

\* Per 1000 of the average number of births registered monthly during the past 12 months.

### AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—November 1930.

CAUSES OF DEATH.	Total.	Males.	Females.	Age.											
				-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over.
teric Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
phus Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
mall-pox	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
easles	-	-	-	-	11	7	4	4	7	-	-	-	-	-	-
arlet Fever	-	-	-	-	5	2	3	1	3	1	-	-	-	-	-
hooping-cough	-	-	-	-	23	10	13	11	11	-	-	-	-	-	-
phtheria	-	-	-	-	19	9	10	-	8	7	2	1	-	-	-
luenza	-	-	-	-	34	17	17	-	-	1	3	4	3	10	6
ccephalitis Lethargica	-	-	-	-	3	2	1	-	-	2	-	1	-	-	-
rebro-spinal Meningitis	-	-	-	-	11	4	7	5	3	1	-	1	-	-	-
her Epidemic Diseases	-	-	-	-	16	9	7	2	1	-	-	6	3	2	-
erculosis of Respiratory System	-	-	-	-	124	63	61	-	2	2	22	22	15	11	8
berculous Meningitis	-	-	-	-	21	11	10	3	11	2	3	2	-	-	-
berculosis of Intestines and Peritoneum	-	-	-	-	8	5	3	1	-	1	2	-	1	-	-
her Tuberculous Disease	-	-	-	-	17	6	11	-	2	1	3	-	1	1	2
alignant Tumours	-	-	-	-	293	136	157	1	-	1	-	3	25	51	91
eumatic Fever	-	-	-	-	9	2	7	-	2	-	1	1	1	-	-
enitis (not Cer.-spin. or Tuberc.)	-	-	-	-	16	8	8	3	1	3	2	1	1	-	-
oplexy	-	-	-	-	260	114	146	-	-	-	1	6	19	59	86
art Disease	-	-	-	-	299	145	154	1	-	2	11	19	32	57	99
seases of Arteries	-	-	-	-	48	28	20	-	-	1	-	-	7	6	13
onchitis	-	-	-	-	167	77	90	36	2	-	1	3	11	25	47
eumonia (all forms)	-	-	-	-	303	185	115	103	40	7	-	10	9	17	32
her Diseases of Respiratory System	-	-	-	-	28	19	9	3	-	2	3	1	2	5	4
rrhoea and Enteritis (under 2 years)	-	-	-	-	35	17	18	28	7	-	-	-	-	-	-
pendicitis	-	-	-	-	19	9	10	-	3	3	5	2	4	2	-
Diseases of Liver (not Malignant)	-	-	-	-	22	10	12	-	-	1	1	2	3	3	6
phritis, Acute and Chronic	-	-	-	-	77	42	35	-	1	2	2	1	6	14	13
erperal Sepsis	-	-	-	-	8	-	8	-	-	1	7	6	10	20	1
ter Dis. & Accidents of Preg. & Part.	-	-	-	-	28	-	28	-	-	1	5	4	1	-	-
eseases of Early Infancy and Malform.	-	-	-	-	153	88	65	150	2	1	-	-	-	-	-
icide	-	-	-	-	12	7	5	-	-	-	1	3	3	4	1
ier Violent Deaths	-	-	-	-	98	69	29	7	7	10	8	7	11	12	11
ier Defined Diseases	-	-	-	-	424	199	225	31	13	5	8	16	23	38	50
uses Ill-defined or Unknown	-	-	-	-	34	27	7	2	1	-	1	4	4	7	11
	2627	1332	1295	392	124	48	37	117	125	169	252	420	503	363	77

*Causes of Death.*

DEATHS IN EACH TOWN (corrected for Transfers)—November 1930.

CAUSES OF DEATH.															
							Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
Enteric Fever	...	...	...	...	...	2	1	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles	...	...	...	...	...	11	1	...	...	...	10	1	...	...	...
Scarlet Fever	...	...	...	...	...	5	3	...	...	1	1	1	...	...	...
Whooping-cough	...	...	...	...	...	23	21	...	1	...	...	...	...	...	...
Diphtheria	...	...	...	...	...	19	12	2	...	2	...	...	...	...	...
Influenza	...	...	...	...	...	34	18	4	1	4	1	...	...	1	...
Encephalitis Lethargica	...	...	...	...	...	3	1	1	1	...	...	...	...	...	...
Cerebro-spinal Meningitis	...	...	...	...	...	11	5	...	4	...	2	...	...	...	...
Other Epidemic Diseases	...	...	...	...	...	16	7	1	3	1	5	1	1	1	2
Tuberculosis of Respiratory System	...	...	...	...	...	124	67	17	4	8	5	7	3	4	4
Tuberculous Meningitis	...	...	...	...	...	21	12	3	3	...	1	...	...	...	1
Tuber. of Intestines and Peritoneum	...	...	...	...	...	8	2	1	...	1	1	1	...	...	...
Other Tuberculous Disease	...	...	...	...	...	17	6	3	3	...	1	...	2	...	...
Malignant Tumours	...	...	...	...	...	293	122	58	23	21	12	6	5	1	2
Rheumatic Fever	...	...	...	...	...	9	5	1	...	...	...	...	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	...	...	...	...	...	16	7	2	2	...	1	...	...	...	1
Apoplexy	...	...	...	...	...	260	96	54	25	15	16	7	5	3	3
Heart Disease	...	...	...	...	...	299	117	55	30	23	17	11	9	2	2
Diseases of Arteries	...	...	...	...	...	48	16	7	9	4	1	1	1	1	1
Bronchitis	...	...	...	...	...	167	87	21	15	7	6	6	2	2	2
Pneumonia (all forms)	...	...	...	...	...	303	169	35	35	18	12	7	5	6	6
Other Diseases of Respiratory System	...	...	...	...	...	28	18	3	4	...	...	...	...	...	1
Diarrhoea and Enteritis (under 2 years)	...	...	...	...	...	35	21	3	2	3	...	1	2	...	...
Appendicitis	...	...	...	...	...	19	11	2	1	3	...	...	...	...	...
All Diseases of Liver (not Malignant)	...	...	...	...	...	22	9	6	1	1	...	1	...	...	...
Nephritis, Acute and Chronic	...	...	...	...	...	77	35	20	4	4	...	...	1	1	2
Puerperal Sepsis	...	...	...	...	...	8	4	1	1	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	...	...	...	...	28	14	5	...	1	1	1	...	...	1
Dis. of Early Infancy and Malformations	...	...	...	...	...	153	68	24	17	9	8	3	2	4	4
Suicide	...	...	...	...	...	12	2	3	1	...	1	...	...	...	2
Other Violent Deaths	...	...	...	...	...	98	48	15	6	3	5	5	5	5	...
Other Defined Diseases	...	...	...	...	...	424	183	69	33	23	18	21	11	11	6
Causes Ill-defined or Unknown	...	...	...	...	...	34	18	1	3	4	1	1	...	...	...
All Causes	...	...	2627	1206	417	232	166	111	80	56	40				
AGE AT DEATH.															
Under 1	...	...	392	204	42	40	22	20	10	8	8	8	8	8	
1-4	...	...	124	73	15	9	10	3	1	1	1	1	1	1	
5-9	...	...	48	29	2	1	3	2	4	...	...	...	...	...	
10-14	...	...	37	18	8	2	3	...	1	2	...	...	...	...	
15-24	...	...	117	63	15	11	3	5	5	5	4	4	5	5	
25-34	...	...	125	64	15	6	7	4	6	6	2	2	2	2	
35-44	...	...	169	80	24	20	8	10	10	10	6	6	4	4	
45-54	...	...	252	134	41	8	10	10	10	10	10	6	6	5	
55-64	...	...	420	189	67	37	31	20	20	9	8	8	8	8	
65-74	...	...	503	210	95	46	29	29	29	16	11	11	11	5	
75-84	...	...	363	114	78	46	25	11	11	8	8	8	4	4	
85 and over	...	...	77	28	15	6	15	2	1	2	2	2	2	...	
Not stated	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
All Ages	...	...	2627	1206	417	232	166	111	80	56	40				

DEATHS IN EACH TOWN (corrected for Transfers)—November 1930—*continued.*

## CAUSES OF DEATH.

				Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
Enteric Fever	...	...	...	...	...	...	1	...	...	...	...
Typhus Fever	...	...	...	...	...	...	1	...	...	...	...
Small-pox	...	...	...	...	...	...	1	...	...	...	...
Measles	...	...	...	...	...	...	1	...	...	...	...
Scarlet Fever	...	...	...	...	...	...	1	...	...	...	...
Whooping-cough	...	...	...	...	...	...	1	...	...	...	...
Diphtheria	...	...	...	1	...	...	2	...	...	1	...
Influenza	...	...	...	1	1	...	1	1	...	1	...
Encephalitis Lethargica	...	...	...	...	...	...	...	...	...	...	...
Cerebro-spinal Meningitis	...	...	...	...	...	...	...	...	...	...	...
Other Epidemic Diseases	...	...	...	...	...	...	...	...	...	...	...
Tuberculosis of Respiratory System	...	2	2	1	2	...	...	1	1	1	1
Tuberculous Meningitis	...	...	...	...	1	...	...	...	...	...	...
Tuber. of Intestines and Peritoneum	...	...	...	...	2	...	...	...	...	...	...
Other Tuberculous Disease	...	...	...	...	2	...	...	...	...	...	...
Malignant Tumours	...	...	8	5	6	5	5	2	4	6	8
Rheumatic Fever	...	...	...	...	1	1	...	...	...	...	...
Meningitis(not Cerebro-spinal or Tuber.)	...	1	...	...	2	3	...	5	10	6	7
Apoplexy	...	...	...	1	2	5	3	5	...	...	...
Heart Disease	...	...	...	7	3	4	5	2	7	3	4
Diseases of Arteries	...	...	...	1	1	2	3	2	1	1	...
Bronchitis	...	...	5	2	2	2	3	5	1	1	2
Pneumonia (all forms)	...	7	3	2	2	2	2	2	...	...	...
Other Diseases of Respiratory System	...	...	...	...	...	...	...	1	...	1	...
Diarrhoea and Entiritis (under 2 years)	...	12	...	...	...	...	1	1	...	...	...
Appendicitis	...	...	1	...	...	...	1	...	...	...	...
All Diseases of Liver (not Malignant)	...	...	...	...	...	...	1	...	2	1	...
Nephritis, Acute and Chronic	...	1	2	3	3	1	1	1	...	1	2
Puerperal Sepsis	...	...	...	...	...	...	...	1	1	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	...	1	...	1	...	1	1	...	1	1
Dis. of Early Infancy and Malformations	...	2	...	...	2	4	3	2	3	2	2
Suicide	...	...	...	...	1	...	1	...	...	...	1
Other Violent Deaths	...	4	2	...	2	...	...	...	1	2	...
Other Defined Diseases	...	4	8	7	8	11	4	11	4	12	6
Causes Ill-defined or Unknown	...	...	...	1	2	1	...	...	2	...	...
All Causes	...	49	32	40	48	41	34	42	33		
AGE AT DEATH.											
Under 1	...	...	...	15	1	2	7	6	2	3	2
1- 4	...	...	...	3	3	1	3	...	...	...	1
5- 9	...	...	...	2	...	...	3	2	...	...	...
10-14	...	...	...	...	...	1	1	...	...	1	...
15-24	...	...	...	...	1	1	1	2	...	1	...
25-34	...	...	...	3	...	3	7	2	2	1	1
35-44	...	...	...	3	1	...	4	4	3	4	1
45-54	...	...	...	5	4	2	3	1	4	4	5
55-64	...	...	...	7	5	7	4	11	5	8	4
65-74	...	...	...	6	4	9	10	6	9	11	7
75-84	...	...	...	5	11	13	4	7	9	9	8
85 and over	...	...	...	...	2	1	1	...	...	...	4
Not stated	...	...	...	...	...	...	...	...	...	...	...
All Ages	...	49	32	40	48	41	34	42	33		

## ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of NOVEMBER 1930.

OBSERVERS.	AIR PRESSURE at 9 A.M. and 9 P.M.		AIR TEMPERATURE.		HYGROMETER.		RAIN, AND OTHER FORMS OF PRE- CIPITATION.		WIND DIRECTIONS																	
			Mean of Absolute Maximum and Minimum.		Mean at 9 A.M. and 9 P.M.		Number of Days.		Number of Observations at 9 A.M. and 9 P.M.																	
	Height of Barometer above Sea-level.	Mean of Maximum (A.)	Minimum (B.)	Dry Bulb.	Vapour Pressure.	Depression of Wet Bulb.	Humidity.	Total Fall.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.									
GLASGOW, Professor J. R. CURRIE, M.D., The University.	29.560	29.717	45.6	36.4	41.0	-1.6	54	8th	24	28th	40.7	1.8	.216	.84	17	4.38 +0.74	2	6	10	0	12	16	2	12		
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	29.240	29.729	46.0	36.2	41.1	-1.1	54	9th	26	17th	40.5	2.1	.210	.81	21	3.81 +1.66	1	2	2	1	2	17	18	3	14	
DUNDEE, A. MACRAE, Curator of Cemeteries.	29.502	29.686	44.3	34.5	39.4	-1.9	55	9, 10	24	6th	38.9	1.5	.206	.86	16	3.69 +1.25	0	2	0	9	0	33	0	16	0	
ABERDEEN,* The Meteorological Office.	29.544	29.646	45.1	35.9	40.5	-1.6	63	13th	20	18th	39.9	2.0	.203	.83	23	3.53 +0.58	3	0	0	7	3	9	17	11	10	
PAISLEY, The Coats Observatory.	29.608	29.729	45.2	35.8	40.5	-2.5	64	9th	24	6th	40.2	1.3	.220	.88	19	5.19 +1.01	0	3	6	2	5	15	11	7	11	
GREENOCK,† J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	29.484	29.747	46.3	36.8	41.5	-1.2	54	8th	30	6, 17	40.6	1.7	.220	.85	20	8.84 +2.42	1	2	14	1	7	13	18	1	3	
PERTH,† J. RITCHIE, The Museum.	29.680	29.705	46.1	32.5	39.3	-1.8	55	8, 9	19	6th	38.0	1.7	.196	.84	18	3.58 +0.70	5	4	0	5	2	29	0	15	0	
Means . . .	170	29.517	29.708	45.5	35.4	40.5	-1.7	..	..	..	..	39.8	1.7	.210	.84	19	4.72 +1.19	2	3	4	4	3	18	11	S	7

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North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 14'.  
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 36'.\* At 7 A.M. and 6 P.M.  
† At 9 A.M. only.

MONTHLY RETURN  
OF THE  
Births, Deaths, and Marriages  
IN  
Sixteen of the Principal Towns of Scotland

DECEMBER 1930.

*Published by Authority of the Registrar-General.*

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REPORT

During the month of December 1930 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 4184 living children, of whom 2116 were males, and 2068 were females. Compared with the number in the previous month, births of male children are 286 more, of female children 248 more, and of children of both sexes 534 more.

The monthly birth-rate in these towns taken collectively was 20·3 per thousand. This rate is 2·0 more than in the previous month, and 0·8 more than the December average.

In the individual towns the monthly birth-rate averaged 20·6, and varied from 29·0 in Coatbridge, 24·4 in Greenock and 24·2 in Hamilton, to 16·8 in Dunfermline, 17·4 in Edinburgh, and 17·6 in Ayr. In Paisley this rate was 21·8, in Dundee 21·7, in Falkirk 20·9, in Glasgow 20·8, in Clydebank 20·8, in Aberdeen 20·1, in Perth 19·1, in Kirkcaldy 18·8, in Motherwell and Wishaw 17·9, and in Kilmarnock 17·8,

Of the 4184 living children whose births were registered during the month, 3928, or 93·9 per cent., were legitimate, while 256, or 6·1 per cent., were illegitimate. The legitimate children numbered 499 more than in the previous month, and the illegitimate children 35 more. The illegitimate rate for the month is the same as that for the previous month. In the individual towns the illegitimate rate ranged from 13·5 in Perth, 13·0 in Dunfermline, and 9·3 in Motherwell and Wishaw, to 1·6 in Kirkcaldy, 1·6 in Falkirk, and 3·6 in Ayr. In Glasgow this rate was 5·9, in Edinburgh 5·9, in Dundee 5·2, and in Aberdeen 8·9.

Marriages registered in these towns during the month numbered 2077, and equalled a marriage-rate of 10·1 per thousand. This number is 869 more than in the previous month. The rate is 4·0 more than in the previous month, and 0·1 above the December average. In the individual towns the monthly marriage-rate

*NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the three preceding years.*

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averaged 8·6, and ranged from 12·8 in Aberdeen, 10·9 in Edinburgh, 10·7 in Glasgow, and 10·7 in Ayr, to 5·3 in Coatbridge, 5·5 in Hamilton, 6·7 in Clydebank, and 6·9 in Kirkcaldy. In Dundee this rate was 8·8.

Deaths registered in these towns during the month numbered 3619, and are 812 more than in November. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 3424, and to include the deaths of 1691 males and of 1733 females. The corrected number is 797 more than in the previous month, males being 359 more, and females 438 more.

The monthly death-rate in these towns taken collectively and based on the corrected number of deaths was 16·6 per thousand, being 3·4 above that for the previous month, and 1·1 above the December average. In the individual towns this death-rate averaged 14·9, and ranged from 18·0 in Paisley, 17·9 in Glasgow, and 17·3 in Ayr, to 10·6 in Dunfermline, 10·9 in Falkirk, and 11·9 in Clydebank. In Kilmarnock this rate was 16·9, in Greenock 16·8, in Aberdeen 16·5, in Dundee 16·4, in Edinburgh 16·2, in Perth 14·7, in Motherwell and Wishaw 14·6, in Kirkcaldy 13·7, in Hamilton 13·0, and in Coatbridge 12·4.

Deaths of children of less than one year old numbered 575, and equalled an infantile mortality rate of 136 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths numbered 183 more than in the previous month, and the infantile mortality rate is 39 more than in that month, and 24 more than the December average. In the individual towns the monthly infantile mortality rate averaged 123 per thousand, and ranged from 171 in Clydebank, 168 in Motherwell and Wishaw, 158 in Ayr, and 157 in Aberdeen, to 49 in Falkirk, 64 in Perth, 67 in Kirkcaldy, and 87 in Edinburgh. In Glasgow this rate was 154, in Greenock 149, in Paisley 138, in Coatbridge 134, in Kilmarnock 129, in Dundee 128, in Hamilton 110, and in Dunfermline 100.

Deaths from the principal epidemic diseases numbered 124, and equalled a death-rate from these causes of 0·6 per thousand. These deaths numbered 29 more than in the previous month, but 68 fewer than the December average. They included none from enteric fever, 8 from measles, 5 from scarlet fever, 43 from whooping-cough, 40 from diphtheria, and 28 from the diarrhoeas of childhood. Compared with the numbers for the previous month, deaths from diphtheria are 21 more, and from whooping-cough 20 more, but those from scarlet fever number the same, while from measles they are 3 fewer, and from the diarrhoeas of childhood 7 fewer.

Deaths attributed to influenza either as the sole cause or along with some other stated cause numbered 42; in November these deaths numbered 34 and in October 16.

Deaths attributed to respiratory diseases other than tubercular, but exclusive of those associated with influenza, in all numbered 883, and equalled a death-rate of 4·3 per thousand. Compared with the returns for the previous month this number is 385 more. The rate is 1·8 more than in the previous month, and is 0·9 above the December average.

Deaths from all forms of tuberculous disease numbered 246, of which 189 were attributed to tuberculosis of the respiratory system. Compared with the numbers for the previous month, deaths from all forms of tuberculosis are 76 more, and compared with the December average they are 39 more. Deaths from tuberculosis of the respiratory system are 65 more than in the previous month, and 35 more than the December average.

## METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

### DECEMBER 1930.

Mean barometric pressure, 29.732 in.; less than the average of 1881-1915 by 0.010 in.

Mean temperature, 39°.7; greater by 0°.9.

Mean daily range of temperature, 7°.6; less by 1°.3.

Rain, depth in inches, 3.97; less by 0.08 in.

Wind, direction of: a 4 days' excess of south to south-westerly winds.

During the first few days of the month barometric pressure was relatively high and was accompanied by mainly quiet weather. The approach of depressions soon caused a return to less settled conditions, and these, apart from an anticyclonic period just after the middle of the month, persisted. The mean barometric pressure was below normal; the extremes at mean sea level at Edinburgh were 30.55 in. on the 22nd and 29.03 in. on 27th.

The month was on the whole mild, the mean daily temperature being above the average and the mean daily range being less than the normal. The highest maxima were reported around the 19th; 56° F. was reported from Aberdeen on the 18th and 19th and from Gordon Castle on the 19th. Screen minimum temperatures were low over a wide area on the morning of the 10th, 13° F. being recorded at Braemar, 15° F. at Balmoral and 17° F. at Perth and Logie Coldstone. At Balmoral the screen minimum on 31st was 16° F. Ground frosts were reported on all but 5 days; on the 10th the grass minimum fell to 9° F. at Braemar and 13° F. at Logie Coldstone and Balmoral, while on the 31st 11° F. was reported from Braemar, 13° F. from Logie Coldstone and 14° F. from Balmoral.

Over the greater part of the country the rainfall was below the average, the areas with excess being mainly located in the Dee and Tay valleys and parts of Argyllshire and Dumfriesshire. At Oban rain fell on 30 days, while at Kinlochquoich there were 8 days with over an inch of rain, the wettest being the 15th with 3 inches. At Glen Etive there were 5 days with over an inch, the wettest being 2.30 in. on 27th.

Thunderstorms occurred on the 27th and 28th, being reported chiefly from western and eastern areas. Fog was very prevalent, particularly in the Clyde and adjacent areas, being reported from Glasgow on 18 days, from Stirling on 11 and from Paisley and Greenock on 9. The fog was particularly dense locally in these areas on the 3rd, 4th, 9th, 10th and 12th. Gales were rather widespread between the 11th and 13th and again between the 26th and 28th. On the 26th a gust of 75 miles per hour was recorded at Kirkwall, while on the 27th a gust reached 78 miles per hour.

Snow or sleet fell over a wide area around the 11th and again around the 26th, but no large falls were reported.

Aurora was observed on 3rd, 4th, 12th, 19th, 20th, 21st and 25th, that of the 20th being visible over the greater part of Scotland.

Sunshine aggregates, as in the previous month, were mostly above normal.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 96.

*Abstract.*

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, DECEMBER 1930.

TOWNS.	POPULATION		BIRTHS.					MARRIAGES.	DEATHS.			Total Corrected.		
	Census 1921.	Estimated to middle of 1930.	Males.	Females.	Total.	Legiti-mate.	Illegiti-mate.		REGISTERED	TRANSFERS	Out.	In.		
GLASGOW, . . .	1,051,518	1,076,100	960	945	1905	1792	113	979	900	839	1739	140	37	1636
EDINBURGH, . . .	420,264	427,500	328	304	632	595	37	395	310	340	650	83	21	588
DUNDEE, . . .	168,815	167,000	152	156	308	292	16	125	115	136	251	26	8	233
ABERDEEN, . . .	158,963	158,800	143	128	271	247	24	172	107	119	226	35	32	223
PAISLEY, . . .	84,837	87,900	74	89	163	154	9	70	66	72	138	11	7	134
GREENOCK, . . .	81,133	81,900	88	82	170	160	10	66	52	64	116	7	8	117
MOTHERWELL AND WISHAW, . . .	68,869	70,900	46	62	108	98	10	43	46	31	77	1	12	88
CLYDEBANK, . . .	46,601	49,300	35	52	87	83	4	28	17	16	33	1	18	50
COATBRIDGE, . . .	43,919	44,700	50	60	110	104	6	20	23	20	43	1	5	47
DUNFERMLINE, . . .	39,899	37,900	29	25	54	47	7	31	16	27	43	10	1	34
KIRKCALDY, . . .	39,591	39,400	34	29	63	62	1	23	22	27	49	7	4	46
HAMILTON, . . .	39,504	40,800	47	37	84	80	4	19	23	16	39	1	7	45
KILMARNOCK, . . .	35,969	38,400	27	31	58	53	5	24	27	29	56	8	7	55
AYR, . . . .	35,763	37,500	38	18	56	54	2	34	30	40	70	17	2	55
FALKIRK, . . . .	34,419	35,600	33	30	63	62	1	23	23	20	43	12	2	33
PERTH, . . . .	33,208	32,100	32	20	52	45	7	25	22	24	46	8	2	40
TOTAL . . . (SIXTEEN TOWNS)	2,382,772	2,425,800	2116	2068	4184	3928	256	2077	1799	1820	3619	368	173	3424

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, DECEMBER 1930.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases.	Number.	* Rate per 1000 Births.
				Regis-tered.	Corr. for Trans-fers.						
GLASGOW, . . .	20.8	5.9	10.7	19.0	17.9	0.9	1.3	1.0	5.5	305	154
EDINBURGH, . . .	17.4	5.9	10.9	17.9	16.2	0.3	1.0	0.8	3.1	54	87
DUNDEE, . . .	21.7	5.2	8.8	17.7	16.4	0.6	1.8	1.3	4.0	38	128
ABERDEEN, . . .	20.1	8.9	12.8	16.8	16.5	0.6	0.7	0.7	3.3	44	157
PAISLEY, . . .	21.8	5.5	9.4	18.5	18.0	0.1	1.7	1.5	3.1	21	138
GREENOCK, . . .	24.4	5.9	9.5	16.7	16.8	0.3	1.2	1.0	4.6	24	149
MOTHERWELL AND WISHAW, . . .	17.9	9.3	7.1	12.8	14.6	0.3	0.5	0.2	5.5	21	168
CLYDEBANK, . . .	20.8	4.6	6.7	7.9	11.9	0.7	1.2	1.0	4.1	14	171
COATBRIDGE, . . .	29.0	5.5	5.3	11.3	12.4	0.3	1.3	0.8	2.4	13	134
DUNFERMLINE, . . .	16.8	13.0	9.6	13.3	10.6	0.0	0.3	0.3	2.2	5	100
KIRKCALDY, . . .	18.8	1.6	6.9	14.6	13.7	0.0	1.5	0.6	1.5	4	67
HAMILTON, . . .	24.2	4.8	5.5	11.2	13.0	0.3	0.0	0.0	4.0	9	110
KILMARNOCK, . . .	17.8	8.6	7.4	17.2	16.9	0.0	0.9	0.6	2.5	8	129
AYR, . . . .	17.6	3.6	10.7	22.0	17.3	0.6	1.9	1.9	1.9	9	158
FALKIRK, . . . .	20.9	1.6	7.6	14.2	10.9	0.3	1.0	1.0	3.3	3	49
PERTH, . . . .	19.1	13.5	9.2	16.9	14.7	0.7	0.7	0.4	1.1	3	64
TOTAL . . . (SIXTEEN TOWNS)	20.3	6.1	10.1	17.6	16.6	0.6	1.2	0.9	4.3	575	136

\* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR DECEMBER 1930, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								* Infantile Mortality Rate.	Mean Temperature Seven Towns only.
					(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)		
(1)	(2)	(3)	(4)	(5)										
DEC. 1930, .	20.3	6.1	10.1	16.6	0	0	8	5	43	40	28	136	39°.7	
DEC. 1929, .	18.8	6.8	10.6	14.3	3	0	51	13	15	31	25	93	40°.9	
DEC. 1928, .	19.5	6.7	10.0	14.1	0	0	2	6	23	24	25	96	38°.6	
DEC. 1927, .	20.3	6.6	9.3	18.2	2	0	193	9	49	51	54	146	35°.7	
DEC. 1926, .	20.6	6.4	8.6	14.9	2	0	12	21	18	39	27	118	40°.4	
DEC. 1925, .	22.6	6.6	8.5	18.7	1	0	67	21	38	42	44	122	35°.1	
DEC. 1924, .	21.3	7.1	9.7	16.7	4	0	96	34	166	29	47	125	44°.5	
DEC. 1923, .	22.7	6.7	9.8	16.1	2	0	190	21	57	32	37	98	37°.8	
DEC. 1922, .	24.1	7.1	9.0	14.2	3	0	92	20	53	34	34	113	41°.3	
DEC. 1921, .	26.1	6.3	10.0	14.7	2	0	77	14	26	32	43	89	43°.3	
DEC. 1920, .	27.3	8.5	13.2	17.6	3	4	12	10	36	36	47	119	38°.7	

Figures in columns 5-13 have been corrected for non-resident deaths.

\* Per 1000 of the average number of births registered monthly during the past 12 months.

### AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—December 1930.

CAUSES OF DEATH.														Age.					
					Total.	Males.	Females.	-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over.
Enteric Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Typhus Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Small-pox	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Measles	-	-	-	-	8	3	5	4	4	4	-	-	-	-	-	-	-	-	
Scarlet Fever	-	-	-	-	5	4	1	1	1	2	-	-	-	-	-	1	-	-	
Whooping-cough	-	-	-	-	43	20	23	16	26	1	-	-	-	-	-	-	-	-	
Diphtheria	-	-	-	-	40	18	22	2	16	13	7	-	-	1	1	-	-	-	
Influenza	-	-	-	-	42	20	22	6	-	-	-	6	5	5	4	9	7	-	
Encephalitis Lethargica	-	-	-	-	9	4	5	-	-	-	3	-	3	1	1	-	-	-	
Cerebro-spinal Meningitis	-	-	-	-	9	5	4	1	3	1	2	1	-	-	-	-	-	-	
Other Epidemic Diseases	-	-	-	-	14	8	6	4	1	1	-	2	1	-	3	1	1	1	
Tuberculosis of Respiratory System	-	-	-	-	189	104	85	1	2	3	4	47	34	45	22	23	6	2	
Tuberculous Meningitis	-	-	-	-	26	13	13	5	10	2	2	7	-	-	-	-	-	-	
Tuberculosis of Intestines and Peritoneum	-	-	-	-	15	10	5	2	3	-	1	4	2	1	1	-	1	-	
Other Tuberculous Disease	-	-	-	-	16	9	7	2	2	-	-	4	2	2	3	-	1	-	
Malignant Tumours	-	-	-	-	341	155	186	-	-	-	1	4	23	60	104	101	43	5	
Rheumatic Fever	-	-	-	-	7	1	6	-	-	-	1	3	2	-	1	-	-	-	
Meningitis (not Cer.-spin. or Tuberc.)	-	-	-	-	12	9	3	3	4	2	-	1	1	-	-	-	1	-	
Apoplexy	-	-	-	-	300	122	178	1	-	-	1	-	-	7	20	54	109	96	
Heart Disease	-	-	-	-	429	197	232	2	-	1	3	11	7	30	38	73	138	109	
Diseases of Arteries	-	-	-	-	41	18	23	-	-	-	-	-	-	6	6	11	13	5	
Bronchitis	-	-	-	-	323	155	168	64	7	-	1	1	6	12	24	62	78	50	
Pneumonia (all forms)	-	-	-	-	518	282	236	214	93	7	3	9	16	28	24	39	39	38	
Other Diseases of Respiratory System	-	-	-	-	42	23	19	7	2	-	1	1	1	4	6	7	11	1	
Diarrhoea and Enteritis (under 2 years)	-	-	-	-	28	15	13	26	2	-	-	-	-	-	-	-	-	-	
Appendicitis	-	-	-	-	28	17	11	-	1	3	3	3	7	1	-	1	7	2	
All Diseases of Liver (not Malignant)	-	-	-	-	22	11	11	-	-	-	-	-	2	6	7	4	3	-	
Nephritis, Acute and Chronic	-	-	-	-	90	37	53	-	-	2	-	-	10	15	28	25	8	2	
Puerperal Sepsis	-	-	-	-	7	-	7	-	-	-	2	2	3	-	-	-	-	-	
Other Dis. & Accidents of Preg. & Part.	-	-	-	-	12	-	12	-	-	-	-	8	4	-	-	-	-	-	
Diseases of Early Infancy and Malform.	-	-	-	-	170	105	65	166	3	-	1	-	-	-	-	-	-	-	
Suicide	-	-	-	-	22	12	10	-	-	-	1	5	3	7	5	1	-	-	
Other Violent Deaths	-	-	-	-	131	84	47	6	7	14	4	10	9	11	15	19	20	13	
Other Defined Diseases	-	-	-	-	440	210	230	39	9	5	6	10	12	36	48	75	75	84	
Causes Ill-defined or Unknown	-	-	-	-	45	20	25	3	1	-	1	-	1	2	8	9	11	7	
					3424	1691	1733	575	197	57	40	122	125	231	314	516	644	489	114

## DEATHS IN EACH TOWN (corrected for Transfers)—December 1930.

CAUSES OF DEATH.					Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
Enteric Fever	...	...	...	...	...	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	8	1	...	...	7	...	...	...	...
Measles	...	...	...	...	5	1	2	...	...	...	...	1	1
Scarlet Fever	...	...	...	...	43	40	...	7	7	1	1	1	1
Whooping-cough	...	...	...	...	40	20	7	7	...	2	...	...	1
Diphtheria	...	...	...	...	42	21	4	2	1	2	3	...	...
Influenza	...	...	...	...	9	5	3	...	...	...	...	...	1
Encephalitis Lethargica	...	...	...	...	9	5	1	...	2	...	2	...	1
Cerebro-spinal Meningitis	...	...	...	...	14	7	...	...	...	...	...	...	1
Other Epidemic Diseases	...	...	...	...	189	89	30	19	10	11	7	1	4
Tuberculosis of Respiratory System	...	...	...	...	26	15	5	1	...	2	1	1	...
Tuberculous Meningitis	...	...	...	...	15	9	1	...	...	...	...	...	1
Tuber. of Intestines and Peritoneum	...	...	...	...	16	7	1	5	...	...	...	1	...
Malignant Tumours	...	...	...	...	341	146	68	24	17	19	9	12	5
Rheumatic Fever	...	...	...	...	7	4	1	...	...	...	...	...	...
Meningitis(not Cerebro-spinal or Tuber.)	...	...	...	...	300	114	55	22	26	14	11	5	3
Apoplexy	...	...	...	...	429	168	104	38	33	15	13	6	5
Heart Disease	...	...	...	...	41	14	14	...	8	1	...	1	1
Diseases of Arteries	...	...	...	...	323	181	40	17	22	11	10	14	7
Bronchitis	...	...	...	...	518	303	61	37	20	11	22	19	7
Pneumonia (all forms)	...	...	...	...	42	20	10	3	2	1	...	...	3
Diarrhoea and Enteritis (under 2 years)	...	...	...	...	28	18	3	2	1	...	1	...	...
Appendicitis	...	...	...	...	28	15	3	1	1	2	1	1	...
All Diseases of Liver (not Malignant)	...	...	...	...	90	11	6	1	...	1	...	2	...
Nephritis, Acute and Chronic	...	...	...	...	7	5	1	...	...	...	...	2	...
Other Diseases and Accidents of Pregnancy and Parturition	...	...	...	...	12	9	...	...	1	...	...	...	...
Dis. of Early Infancy and Malformations	...	...	...	...	170	64	27	15	18	9	8	5	4
Suicide	...	...	...	...	22	6	7	2	1	1	1	1	...
Other Violent Deaths	...	...	...	...	131	69	22	7	9	5	3	3	3
Other Defined Diseases	...	...	...	...	440	197	90	21	32	16	22	11	2
Causes Ill-defined or Unknown	...	...	...	...	45	30	4	...	1	3	1	1	...
All Causes	...	3424	1636	588	233	223	134	117	88	50			
AGE AT DEATH.													
Under 1	...	575	305	54	38	44	21	24	21	24	21	21	14
1- 4	...	197	116	16	15	11	5	11	7	11	7	...	...
5- 9	...	57	25	10	4	6	3	4	...	4	...	3	3
10-14	...	40	20	6	3	1	2	...	1	1	1	1	2
15-24	...	122	66	15	7	5	3	5	3	8	2	2	2
25-34	...	125	66	15	8	5	7	4	7	4	2	2	1
35-44	...	231	123	36	19	11	10	4	1	1	1	1	2
45-54	...	314	153	53	25	16	12	10	10	10	10	10	1
55-64	...	516	244	104	30	29	23	14	16	16	16	16	11
65-74	...	644	277	137	50	43	22	19	19	19	12	12	8
75-84	...	489	210	105	31	38	23	12	12	12	11	11	6
85 and over	...	114	31	37	3	14	3	7	5	5	5	5	...
Not stated	...	...	...	...	...	...	...	...	...	...	...	...	...
All Ages	...	3424	1636	588	233	223	134	117	88	50			

DEATHS IN EACH TOWN (corrected for Transfers)—December 1930—*continued.*

CAUSES OF DEATH.									
Enteric Fever	...	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...
Measles	...	...	...	...	...	...	...	...	...
Scarlet Fever	...	...	...	...	...	...	...	...	...
Whooping-cough	...	...	...	...	...	...	...	...	...
Diphtheria	...	...	1	...	...	1	...	1	1
Influenza...	...	...	2	1	...	2	4	...	...
Encephalitis Lethargica	...	...	...	...	...	...	...	...	...
Cerebro-spinal Meningitis	...	...	...	...	...	...	...	...	...
Other Epidemic Diseases	...	...	...	...	...	...	1	...	1
Tuberculosis of Respiratory System	...	3	1	2	...	...	2	6	3
Tuberculous Meningitis	...	1	...	...	...	...	1	...	...
Tuber. of Intestines and Peritoneum	...	1	...	2	...	...	1	...	...
Other Tuberculous Disease	...	...	...	1	...	...	...	...	1
Malignant Tumours	...	4	6	4	5	7	5	3	7
Rheumatic Fever	...	...	...	...	...	2	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	...	...	...	...	...	...	...	...	...
Apoplexy...	...	4	3	7	3	7	14	7	5
Heart Disease	...	5	7	7	4	6	10	4	4
Diseases of Arteries	...	...	...	...	...	...	...	...	2
Bronchitis	...	5	1	3	2	3	2	5	...
Pneumonia (all forms)	...	4	5	2	12	5	4	4	2
Other Diseases of Respiratory System	...	1	...	...	...	...	...	1	1
Diarrhoea and Enteritis (under 2 years)	...	...	...	...	...	...	...	1	1
Appendicitis	...	2	...	1	1	...	...	...	...
All Diseases of Liver (not Malignant)	...	...	1	...	...	...	...	...	...
Nephritis, Acute and Chronic	...	...	...	1	6	1	3	...	2
Puerperal Sepsis	...	...	...	...	...	...	...	...	1
Other Diseases and Accidents of Pregnancy and Parturition	...	1	...	1	...	...	...	...	...
Dis. of Early Infancy and Malformations	5	3	2	2	3	3	...	...	2
Suicide	...	...	1	1	...	1	...	...	...
Other Violent Deaths	...	3	...	1	1	3	1	1	...
Other Defined Diseases...	...	6	4	10	4	9	5	3	8
Causes Ill-defined or Unknown	...	...	...	1	2	...	...	1	1
All Causes	...	47	34	46	45	55	55	33	40
AGE AT DEATH.									
Under 1	...	...	...	13	5	4	9	8	9
1-4	...	...	...	2	...	...	5	5	3
5-9	...	...	...	1	...	...	1	...	...
10-14	...	...	...	1	...	...	2	1	...
15-24	...	...	...	2	1	1	2	2	1
25-34	...	...	...	1	1	6	1	4	1
35-44	...	...	...	5	5	5	1	3	1
45-54	...	...	...	4	1	4	8	10	1
55-64	...	...	...	5	3	7	6	8	4
65-74	...	...	...	9	3	7	8	7	12
75-84	...	...	...	4	7	8	1	9	8
85 and over	...	...	...	...	3	4	1	1	4
Not stated	...	...	...	...	...	...	...	...	...
All Ages	...	47	34	46	45	55	55	33	40

## ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of DECEMBER 1930.

OBSERVERS.	AIR PRESSURE at 9 A.M. and 9 P.M.	Height of Barometer above Sea-level	AIR TEMPERATURE.			HYGROMETER.			RAIN, AND OTHER FORMS OF PRE- CIPITATION.			WIND DIRECTIONS							
			Mean of A and B (Mean Tem- perature).			Mean at 9 A.M. and 9 P.M.			Number of Days.			Number of Observations at 9 A.M. and 9 P.M.							
			Mean of Minimum (B.)	Maximum (A.)	Difference from Average.	Dry Bulb.	Vapour Pressure.	Humidity.	Total Fall.	Difference from Average.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.
GLASGOW, Professor J. R. CURRIE, M.D., The University.	29.577	29.734	44.1	36.9	40.5 +1.0	52	18, 19	26	10th	40.5	1.4	.228	.87	20	3.81	-0.34	0	0	16
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	29.264	29.753	44.1	37.5	40.8 +1.9	54	18th	28	10th	40.0	1.7	.210	.85	17	1.63	-0.51	0	1	18
DUNDEE, A. MACRAE, Curator of Cemeteries.	29.548	29.733	42.1	34.6	38.3 +0.7	52	18, 19	25	31st	38.2	0.9	.210	.91	17	2.95	+0.29	0	2	0
ABERDEEN,* The Meteorological Office.	29.606	29.708	44.0	36.2	40.1 +1.5	56	18, 19	25	10th	40.3	1.6	.216	.87	14	3.96	+0.74	0	0	18
PAISLEY, The Coats Observatory.	29.623	29.744	43.9	36.9	40.4 +0.5	52	18, 19	27	10th	39.9	0.9	.228	.92	22	4.90	-0.15	0	0	19
GREENOCK,† J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	29.490	29.752	44.5	37.3	40.9 +1.5	54	18th	30	31st	40.1	1.1	.223	.90	23	6.97	-0.92	3	5	12
PERTH,† J. RITCHIE, The Museum.	29.678	29.703	41.5	31.6	36.5 -1.0	53	18, 19	17	10th	35.6	1.5	.180	.85	17	3.55	+0.32	0	0	12
Means . . .	170	29.541	29.732	43.5	35.9	39.7 +0.9	..	..	..	39.2	1.3	.214	.86	19	3.97	-0.08	0	1	5
																	4	11	

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North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 14'. West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 46'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 36'.

\* At 7 A.M. and 6 P.M.      † At 9 A.M. only.